PYTHON / ANY RELEVANT LANGUAGE

EASY TO HARD
PRACTICE QUESTIONS

SUITABLE FOR ANY YEAR GROUP

ANSWERS

```
1. name = input("Enter your name: ")
   age = int(input("Enter your age: "))
   colour = input("Enter your favourite colour: ")
   print(name)
   print(age)
   print(colour)

2. name = input("Enter your name: ")
   surname = input("Enter your surname: ")
   print(name + " " + surname)

3. name = input("Enter your name: ")
   print("Hello, " + name + "! Nice to meet you!")

4. num1 = int(input("Enter number 1: "))
   num2 = int(input("Enter number 2: "))
   print(num1 + num2)
   print(num1 * num2)

5. distance = int(input("Enter a distance: "))
   time = int(input("Enter the time: "))
   print(distance / time)

6. number = int(input("Enter the number of letters in the
   alphabet: "))
   if number == 26:
       print("correct")
   else:
       print("incorrect")

7. radius = int(input("Enter the radius of a circle: "))
   area = 3.14 * radius ** 2
   print(area)

8. number = int(input("Enter a number: "))
   if number % 2 == 0:
       print("number is even")
   else:
       print("number is odd")
```

```
9. food = str(input("Enter your favourite food: "))
   if food == "pizza":
       print("Wow, I love pizza too!")
   elif food == "burger":
       print("I don't link burgers!")


10.total = 0
   for i in range(10):
       number = int(input("Enter a number: "))
       total = total + number
   print(total)


**.total = 0
   numbertill = int(input("Enter a number: "))
   for i in range(numbertill):
       number = int(input("Enter a number: "))
       total = total + number
   print(total)
```

```
1. import random

   secret_number = random.randint(1, 10)
   user_guess = int(input("Guess the number between 1 and 10:
"))
   if user_guess == secret_number:
       print('Correct')
   else:
       print('Not what I was thinking')


2. lightcolour = input("Enter the traffic light colour (green,
   amber, red): ")
   if lightcolour == 'green':
       print('Go.')
   elif lightcolour == 'amber':
       print('Get Ready.')
   else:
       print('Stop.')


3. avgtime = int(input("How long on average do you spend
   watching TV each day (in hours)? "))
   if avgtime < 2:
       print("That should be ok")
   elif avgtime <= 2 or avgtime <= 4:
       print("That will rot your brain")
   else:
       print("That is too much TV")


4. temp = int(input("What is the current temperature (in
   celsius)? "))
   if temp < 0:
       print("It's freezing!")
   elif temp <= 0 or temp <= 15:
       print("It's cold!")
   elif temp <= 16 or temp <= 25:
       print("It's warm!")
   else:
       print("It's hot")
```

```
5. for i in range(1, 21, 2):
       print(i)
OR
   for i in range(1, 21):
       if i % 2 != 0:
           print(i)

6. guess = 0
   while guess != 7:
       guess = int(input("Guess a number: "))
       if guess == 7:
           print("Well Done")
       else:
           print("Try again!")

7. for i in range(1, 31):
       if (i % 3 == 0) & (i % 5 == 0):
           print("FizzBuzz")
       elif i % 3 == 0:
           print("Fizz")
       elif i % 5 == 0:
           print("Buzz")
       else:
           print(i)

8. word = str(input("Enter a word: "))
   reversed_word = word[::-1]
   print(reversed_word)

9. age = int(input("Please enter the age of the member: "))
   discount = 0

   if 13 <= age <= 15:
       discount = 0.3
   elif 16 <= age <= 17:
       discount = 0.2
   elif age >= 50:
       discount = 0.4

   if discount > 0:
       print("The member receives a " + str(discount * 100) +
"% discount.")
   else:
       print("The member receives no discount.")

10.array = [1,2,4,5,10]
   total = 0
   for i in range(len(array)):
       total += array[i]
   print(total)
```

```
1. numbers = [15, 30, 3, 1, 40]
   numbertofound = int(input("Please type a number: "))
   for i in range(len(numbers)):
       if numbertofound== numbers[i]:
       print(i)


2. present_count = 0
   absent_count = 0

   studentnames = ["John", "Alice", "Bob", "Emma", "David"]

   for i in range(len(studentnames)):
       print("Student:", studentnames[i])
       attendance = input("Is the student present? (yes/no): ")

   if attendance == "yes":
       present_count += 1
   elif attendance == "no":
       absent_count += 1

   print("Total present students:", present_count)
   print("Total absent students:", absent_count)


3. procedure SavePlayers(filename, data)
       file = open(filename)
       file.writeLine(data)
       file.close()
   endprocedure


4. function getText(filename)
       file = open(filename)
       data = file.readLine()
       file.close
       return data
   endfunction
```

```python
5. scores = [
   [1, 10, 2],
   [3, 9, 1],
   [0, 2, 5]
   ]

   total = 0
   for i in range(len(scores)):
        for j in range(len(scores[i])):
              total += int(scores[i][j])
   print(total)


6. cars = [
   ["BMW", "M1", "20"],
   ["BMW", "320D", "200"],
   ["BMW", "520D", "300"],
   ["Mercedes", "A170", "600"]
   ]

   carmake = (input("Enter a number Make: "))
   total = 0
   for i in range(len(cars)):
        if cars[i][0] == carmake:
         total += int(cars[i][2])
   print(str(carmake) + " sold a total of " + str(total) + "
cars!")


7. LowestTeam = ""
   LowestScore = -1
   teamName = input("Enter the team name (or type 'STOP' to
finish)")

   while teamName != "STOP"
           score = int(input("Enter a score for " + teamName
+ ": "))
           if score < LowestScore:
               LowestScore = score
               LowestScoringTeam = teamName

       teamName = input("Enter the team name (or type 'STOP'
   to finish): ")

   print("The team with the Lowest score is "+str(LowestTeam)
+ " with a score of " + str(LowestScore) + ".")
```

If you found this useful, drop a follow to help me out!

THANK YOU!

GCST