What will be the output? Solutions

Introduction

For each of these example programs, decide what will be displayed (output) based on the values that are inputted.

Task 1 - `if`

Program 1

Complete the table to state what will be the output based on the input:

```
1    print("Enter name:")

2    name = input()

3    if name == "Harry":

4        print("Are you a Prince?")
```

Input	Output

Harry	Are you a prince?
Shariff	Nothing
Evelyn	Nothing

Program 2

Complete the table to state what will be the output based on the input:

```
1    print("Enter age:")

2    age = int(input())

3    if age > 25:

4        print("Wow that is old!")
```

Input	Output
25	Nothing

27	Wow that is old!
12	Nothing

Task 2 - `if-else`

Program 1

Complete the table to state what will be the output based on the input:

```
1    print("Enter birth month (e.g. September):")

2    month = input()

3    if month == "June":

4        print("That is my favourite month")

5    else:

6        print("My birth month is June")
```

Input	Output
July	My birth month is June
June	That is my favourite month
August	My birth month is June

Program 2

Complete the table to state what will be the output based on the input:

```
1    print("Guess a number between 1 and 10:")
2    number = int(input())
3    if number == 7:
4        print("You got it!")
5    else:
6        print("Incorrect")
```

Input	Output
6	Incorrect
10	Incorrect
7	You got it!

Task 3 - `if-elif-else`

Program 1

Complete the table to state what will be the output based on the input:

```
1    print("Guess a number between 1 and 10:")

2    number = int(input())

3    if number == 7:

4        print("You got it!")

5    elif number < 7:

6        print("Higher")
```

```
7    else:

8          print("Lower")
```

Input	Output
7	You got it!
9	Lower
3	Higher

Program 2

Complete the table to state what will be the output based on the input:

```
1    print("Enter a number: ")

2    odd_even = int(input())

3    odd_even = odd_even % 2

4    if odd_even == 1:

5        print("Your number is odd")

6    elif odd_even == 0:

7        print("Your number is even")
```

Input	Output
67	Your number is odd
24	Your number is even
93	Your number is odd

Explorer task

Check your answers by entering the code!