

Worksheet Answers by Robert Myers

Worksheet Week 5, 01 - What's the Output

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?")
```

- Enter 'Harry' -

Are you a Prince

- Enter 'Shariff' -

no output

- Enter 'Evelyn' -

no output

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!")
```

- Enter '25' -

no output

- Enter '27' -

Wow that is old

- Enter '12' -

No output

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")
```

- Enter 'July' -

My birth month is June

- Enter 'June' -

That is my favourite month

- Enter '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")
```

- Enter '6' -

Incorrect

- Enter '10' -

Incorrect

- Enter '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")
```

- Enter '7' -

You got it

- Enter '9' -

Lower

- Enter '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")
```

- Enter '67' -

Your number is odd

- Enter '24' -

Your number is even

- Enter '93' -

Your number is odd

Explorer task

Check your answers by entering the code, and copy it down below!

```
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")
```