**Python Lab Assignment#2**

**Course Name: Programming II**

**Course Code: CS 181**

**Due Date: 18/10/2022**

**Student Name:**

**ID No.: Grade:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| QUESTION | Q#1 | Q#2 | Q#3 | Q#4 | Total |
| MARKS | 1 | 1 | 1 | 2 | 5 |
| SCORE |  |  |  |  |  |

**Objectives:**

**In this lab assignment, we aim to create programs that allow the manipulation and the test of the following concept:**

* **Functions**

**Q#1.What does the following code produce as output?**

age = 45 print ("You have", 65 - age, "years until retirement”)

1. You have 65 – age years until retirement
2. You have 20 years until retirement
3. You have 65 - 45 years until retirement
4. Indentation Error
5. None of the above

**Solution:**

**Indentation Error**

**it will give a syntax error**

**here is the right code**

**age = 45**

**print("You have", 65 - age, “years until retirement”)**

**Q#2. What does the following code produce as output?**

**def fun1(name, age=20):**

print (name, age)

fun (“Kamal”,25)

1. Kamal 25
2. Kamal 20
3. Indentation Error
4. None of the above

**Solution:**

**Indentation Error**

**here is the right code**

**def fun1(name, age=20):**

**print (name, age)**

**fun1(“Kamal”,25)**

**Q#3.** By replacing the calling of the function by **fun1(“Kamal”, 25)**, what does the following code produce as output?

**Solution:**

**Kamal 25**

**Q#4.** Consider the following code:

print("Programming using Python!")  
print("Programming using Python!")  
print("Programming using Python!, dear Amro")  
print("Programming using Python!")  
print("Programming using Python!")  
print("Programming using Python!")  
print("Programming using Python!, dear Zaid")  
print("Programming using Python!")

Re-write it using functions.

**Solution:**

for x in range(6):   
 if x == 1:   
 print("Programming using Python!, dear Amro")   
 if x == 5:   
 print("Programming using Python!, dear Zaid")   
 print("Programming using Python!")