



Hadhramout University
College of Computers & Information Technology



Muna Majdi Marai

First test Academic Year 2022 - 2023

Level: Level1

Specialization: Information Technology (IT) General

Time: 1 hour

Examiner: Dr. Wafa Zubair Al-Dayni

Date/Day:

Course: Computer Programming

Form: B

Answer all questions after reading it carefully

1) Put (✓) or (X) in front the following statements:

5

1. (X) Imperative and functional are the only major programming paradigms.
2. (X) Python programming language uses Compiler for the translation process (عملية الترجمة).
3. (X) Assembly is a multi-paradigm programming language.
4. (✓) $(10 \geq 2)$ and $(6 > 14) \rightarrow \text{False}$
5. (X) Design stage is the longest stage in SDLC.

2) Write a program to read the weight (وزن) of Iron (حديد) in Kilograms (Kg) as an integer. Then, convert (حواله) it into Tons (طن) and print it. (1 Ton = 1000 Kg) في الخلف

3) Find the output of the following program:

(Consider (أفترض) that the user entered num1 = 10.6 and num2 = 4.4)

```
num1 = float(input("Enter the first number \n"))
num2 = float(input("Enter the second number \n"))
result2 = num1 + num2
result2 += 5
result1 = 40
print(f"result2 = {result2} and result1 = {result1}")
result2 *= result2 / 100
print(f"result2 = {result2}")
```

Enter the first number
10.6
Enter the second number
4.4
result2= 20 and result1= 40
result2= 4

GOOD LUCK

```
2) weight = int(input("Enter the weight of iron in kilo grams:"))  
Ton = weight / 1000  
print(f"The weight in ton = {Ton}")
```

5

15
15
Excellent



Assembly

First test Academic Year 2022 - 2023

Level: Level 1

Date/Day:

Specialization: Computer Sciences

Course: Computer Programming

Time: 1 hour

Examiner: Dr. Wafa Zubair Al-Dayni

Form: A

Answer all questions after reading it carefully

Sara Irfan Bhatia

1) Fill the blanks with the proper word or statement:

A. In general, programming languages can be categorized (تصنف) into three categories: ~~machine language~~, ~~Assembly language~~, and ~~high-level language~~.

B. ~~Compiler~~ is used by Python programming language to translate (يترجم) the program code to a machine language (0,1).

C. In ~~design~~ stage of SDLC the development team choose the programming language to build the application.

2) Write a program to read the age of three employees (موظفين). Then, find and print the average of them.

3) Find the output of the following program:

(Consider (أفترض) that the user entered num1 = 8, num2 = 2, option = "option2")

```
num1 = int(input("Enter the first number \n"))
num2 = int(input("Enter the second number \n"))
option = input("Enter your option \n")
if option == "option1":
    result1 = num1 + num2
    result2 = num2 - num1
else:
    result1 = num1 * num2
    result2 = (num1 + num2) / num2
print(f"result1 = {result1} and result2 = {result2}")
```

Enter the first number
8
Enter the second number
2
Enter your option
option2
result1 = 16 and result2 = 5

GOOD LUCK



First test Academic Year 2022 - 2023

Level: Level 1

Specialization: Information Technology (IT) General

Time: 1 hour

Examiner: Dr. Wafa Zubair Al-Dayni

Date/Day:

Course: Computer Programming

Form: A

Answer all questions after reading it carefully

1) Put (✓) or (X) in front the following statements:

(5)

1. (X) Software can be divided (يقسم) into two categories: programming software and system software.
2. (X) Assembly programming language uses variables to name (تسمية) the memory locations.
3. (✓) Python is a programming language that uses human language to write the program's source code.
4. (✓) $10 * 2 < 6 + 14 \rightarrow \text{False}$
5. (X) Compiler translate (يترجم) and execute (ينفذ) the source code line by line.

2) Write a program to read the weight (وزن) of a person in Kilogram (Kg) as float. Then convert (حوّله) it into Gram (g) and print it. (1 Kg = 1000 g)

3) Find the output of the following program:

(Consider (افترض) that the user entered num1 = 8.6 and num2 = 2.6)

```
num1 = float(input("Enter the first number \n"))
num2 = float(input("Enter the second number \n"))
result1 = num1 - num2
result1 *= 2
result2 = 10
print(f"result1 = {result1} and result2 = {result2}")
result2 *= result2 + (result1 % 3)
print(f"result2 = {result2}")
```

1	Enter the first number	8.6
2	Enter the second number	2.6
3	result1 = 12.0 and result2 = 10	12.0
4	result1 = 10 and result2 = 10	
5	100	
6	result2 = 10	

GOOD LUCK

Find the output of the following programs:

(1)

`n = 0`

`s = 0`

`while n <= 50:`

`if n % 15 == 0:`

`print(n)`

`s += n`

`n += 1`

`print(f"Total = {s}")`

2)

`m = 0`

`for i in range(80, 20, -20):`

`m += i`

`s = m // 4`

`print(i)`

`print(f"m = {m} and s = {s}")`



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Sana Lutfi Belfragia

First Quiz Academic Year 2022 - 2023

Level: Level 1

Specialization: Computer Sciences

Time: 30 Minutes

Date/Day:

Course: Computer Programming

Examiner: Dr. Wafa Zubair Al-Dayni

Form: B

Find the output of the following programs:

1)

```
num = 5
while num <= 30:
    if num == 25:
        print("My Bad")
        break
    print(num)
    num += 5
```

5	✓
10	✓
15	✓
20	✓
My Bad	✓

2)

```
s = 0
m = 1
for i in range(5, 15, 2):
    if i % 2 == 0:
        s += i
        print(i)
    else:
        m += i
        print(i)
print(f"s = {s} and m = {m}")
```

-5
-3
-1
1
3
5
7

9

11

13

s = 0 and m = 41

First Quiz Academic Year 2022 - 2023

Level: Level 1

Specialization: Information Technology (General)

Date/Day:

Course: Computer Programming

Time: 30 Minutes

Examiner: Dr. Wafa Zubair Al-Dayni

Form: A

Find the output of the following programs:

(1)

n = 0

s = 0

while n <= 40:

if n % 12 == 0:

print(n)

s += n

n += 1

print(f'Total = {s}')

12 ✓
24 ✓
36 ✓
Total = 72
Total = 72 ✓

2)

m = 1

for i in range(10, 100, 35):

m += i

s = m // 2

print(i)

print(f'm = {m} and s = {s}')

10 ✓
45 ✓
80 ✓
m = 136 and s = 68