



Artificial Intelligence

Lab 02 Tasks

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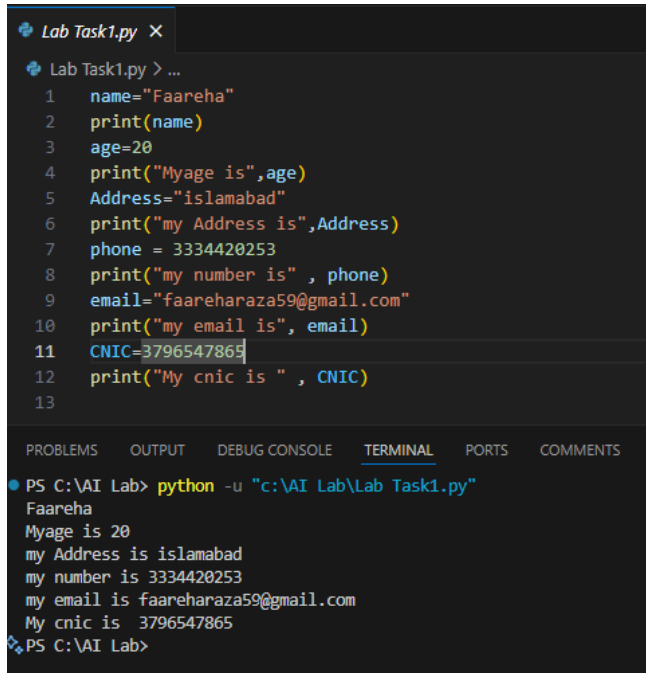
Batch: BSCS-6th semester

Lab Instructor:

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Task 1:

Write a python program to display your profile like: name, age address, phone no, email, age, cnic in different lines.



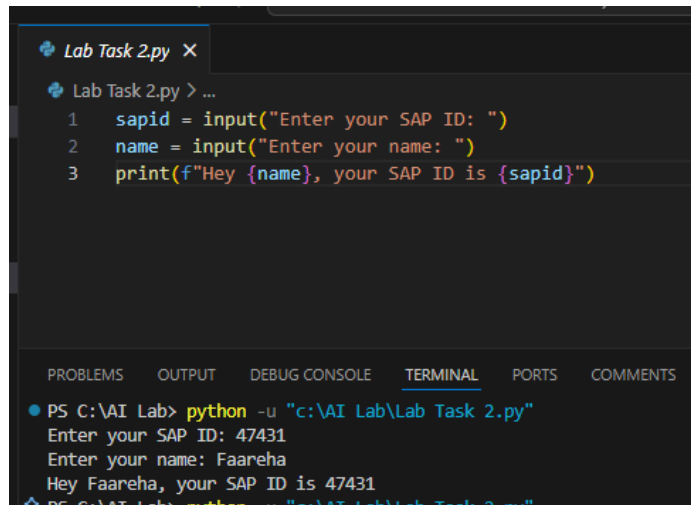
```
Lab Task1.py X
Lab Task1.py > ...
1  name="Faareha"
2  print(name)
3  age=20
4  print("Myage is",age)
5  Address="islamabad"
6  print("my Address is",Address)
7  phone = 3334420253
8  print("my number is" , phone)
9  email="faareharaza59@gmail.com"
10 print("my email is", email)
11 CNIC=3796547865
12 print("My cnic is " , CNIC)
13

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  COMMENTS
PS C:\AI Lab> python -u "c:\AI Lab\Lab Task1.py"
Faareha
Myage is 20
my Address is islamabad
my number is 3334420253
my email is faareharaza59@gmail.com
My cnic is 3796547865
PS C:\AI Lab>
```

Task 2:

Write a python program that:

- 1- Takes sap id as input from the user
- 2- Takes name as input from the user
- 3- Shows an output
- 4- "hey '**name**' your sap is '**sap**'"

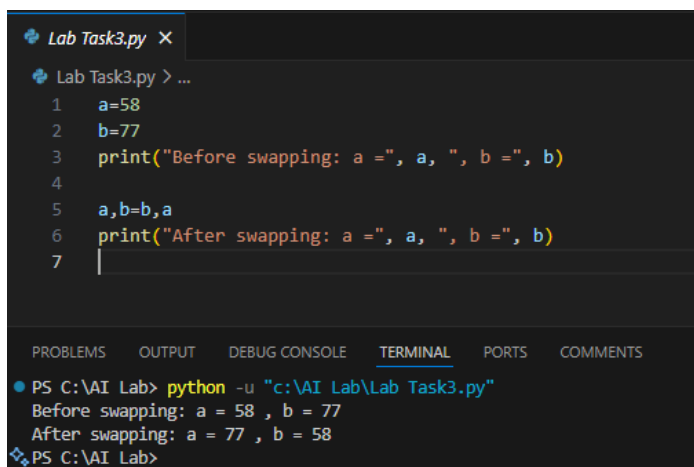


```
Lab Task 2.py X
Lab Task 2.py > ...
1  sapid = input("Enter your SAP ID: ")
2  name = input("Enter your name: ")
3  print(f"Hey {name}, your SAP ID is {sapid}")

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  COMMENTS
● PS C:\AI Lab> python -u "c:\AI Lab\Lab Task 2.py"
Enter your SAP ID: 47431
Enter your name: Faareha
Hey Faareha, your SAP ID is 47431
PS C:\AI Lab> python -u "c:\AI Lab\Lab Task 2.py"
```

Task 3:

Write a python program to swap two variables.

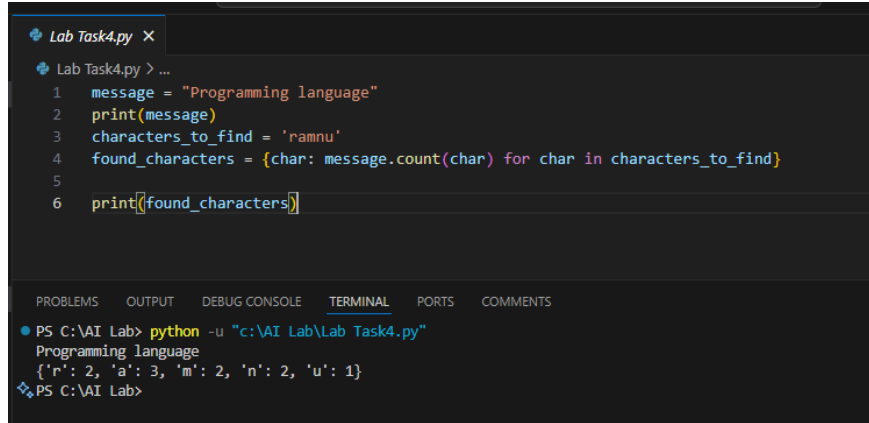


```
Lab Task3.py X
Lab Task3.py > ...
1  a=58
2  b=77
3  print("Before swapping: a =", a, ", b =", b)
4
5  a,b=b,a
6  print("After swapping: a =", a, ", b =", b)
7  |

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  PORTS  COMMENTS
● PS C:\AI Lab> python -u "c:\AI Lab\Lab Task3.py"
Before swapping: a = 58 , b = 77
After swapping: a = 77 , b = 58
PS C:\AI Lab>
```

Task 4:

Message=" Programming language", find r, a, m, n, u in this string.

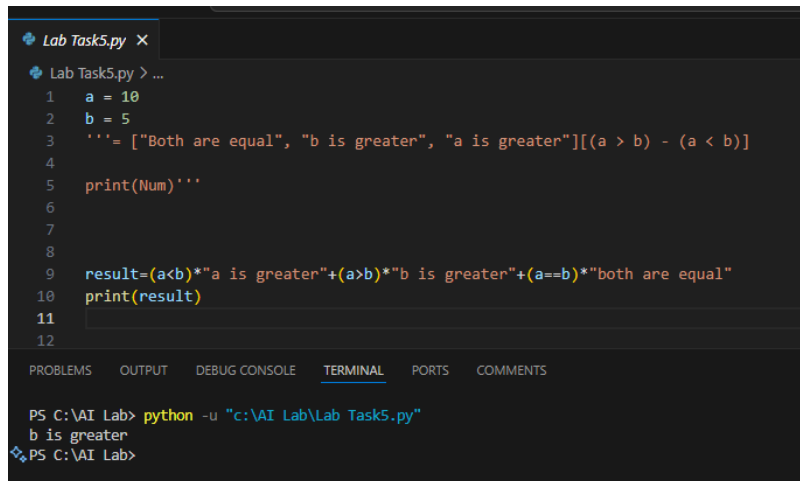


```
Lab Task4.py X
Lab Task4.py > ...
1 message = "Programming language"
2 print(message)
3 characters_to_find = 'ramnu'
4 found_characters = {char: message.count(char) for char in characters_to_find}
5
6 print(found_characters)

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS
PS C:\VAI Lab> python -u "c:\VAI Lab\Lab Task4.py"
Programming language
{'r': 2, 'a': 3, 'm': 2, 'n': 2, 'u': 1}
PS C:\VAI Lab>
```

Task 5:

Take two variables and initialize them, apply comparison operators using print statement.no conditional statements allowed.



```
Lab Task5.py X
Lab Task5.py > ...
1 a = 10
2 b = 5
3 '''= ["Both are equal", "b is greater", "a is greater"][(a > b) - (a < b)]
4
5 print(Num)'''
6
7
8
9 result=(a<b)*"a is greater"+"(a>b)*"b is greater"+"(a==b)*"both are equal"
10 print(result)
11
12

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS COMMENTS
PS C:\VAI Lab> python -u "c:\VAI Lab\Lab Task5.py"
b is greater
PS C:\VAI Lab>
```