RIPHAH INTERNATIONAL UNIVERSITY, ISLAMABAD

Lab#2

Bachelors of Computer Science – 6th Semester

Course: Artificial Intelligence

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Task#1: Write a python program to display your profile like name, age, address, phone, email, CNIC in different lines.

```python
name = "Tabinda"
age = 22
address = "Ghouri Town ,Isb"
contact = 8463930
email = "abc@gmail.com"
CNIC = 34567987 65439

print(name)
print(age)
print(address)
print(contact)
print(email)
print(CNIC)
```

Output:

```
Tabinda
22
Ghouri Town ,Isb
8463930
abc@gmail.com
3456798765439
```

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 input
4- "Hey 'name' your sap is 'sap'"

```python
sapid = input("Enter your sapid:")
name = input("Enter your name:")
print(f"Hey {name} your sapid is {sapid}")
```

Output:

```
"C:\Users\FAROOQ HASSAN\AppData\Loc
Enter your sapid:46374
Enter your name:Tabinda
Hey Tabinda your sapid is 46374
```

Task#3: Write a python program to swap two variables

```python
num1 = 20
num2 = 30
print("Before Swapping:")
print("Variable 1: ", num1)
print("Variable 2: ", num2)

temp = num1
num1 = num2
num2 = temp

print("After Swapping:")
print("Variable 1: ", num1)
print("Variable 2: ", num2)
```

Output:

```
Before Swapping:
Variable 1:  20
Variable 2:  30
After Swapping:
Variable 1:  30
Variable 2:  20
```

Task#4: Message = "Programming Language", fine r, a, m, n, u in this string

```python
message = "Programming Language"

print("index of 'r': ", message.find('r'))
print("index of 'a': ", message.find('a'))
print("index of 'm': ", message.find('m'))
print("index of 'n': ", message.find('n'))
print("index of 'u': ", message.find('u'))
```

Output:

```
index of 'r':  1
index of 'a':  5
index of 'm':  6
index of 'n':  9
index of 'u':  16
```

Task#5: Take two variables and initialize then apply comparison operator using print statement, no conditional statements allowed.

```python
a = 5
b = 6

print("a is greater than b",a>b)
print("a is less than b",a<b)
print("a is equal to b",a==b)
print("a is not equal to b",a!=b)
print("a is greater than and equal to b",a>=b)
print("a is less than and equal to b",a<=b)
```

Output:

```
a is greater than b False
a is less than b True
a is equal to b False
a is not equal to b True
a is greater than and equal to b False
a is less than and equal to b True
```