

Home Work - I (Python) Answers

1. Write a program to get the following output:

```
print("Hey there,")
print("I am full stack developer!")
```

2. Define Python variable, with your own Example?

A variable is a container for storing data values in Python.

```
age = 25
name = "Ravi"
print("My name is", name, "and I am", age, "years old.")
```

3. Write a Python program to print 'Hello' on screen and then print your name on a separate line.

```
print("Hello")
print("YourName")
```

4. Example for print() method vs println().

Python's print() by default adds a new line unless specified with end="".

```
print("Hello", end="")
print(" World")
```

5. Program using \t for spacing.

```
print("Raja\tShekhar")
print("Pavan\tSurya")
```

6. Creating variables with integers and printing them.

```
a = 10
b = 20
c = 30
print("My First Number is:", a)
print("My Second Number is:", b)
print("My Third Number is:", c)
```

7. Creating variables for marks and printing them.

```
java = 90
python = 80
database = 70
WebDevelopment = 60
DotNet = 50

print("My Java Marks is:", java)
print("My Python Marks is:", python)
print("My Database Marks is:", database)
print("My Web Development is:", WebDevelopment)
print("My DotNet Marks is:", DotNet)
```

8. Multiple initialization example.

```
a, b, c = 10, 20, 30
```

```
print("a =", a)
print("b =", b)
print("c =", c)
```

9. Printing given output.

```
print("+++++")
print("@@@@@")
print("*****")
print("#####")
```

10. What is a Programming Language?

A programming language is a formal language used to communicate instructions to a computer.

11. What is a Language in Computers?

A computer language is a set of instructions used to communicate with a computer. It includes machine language, assembly, and high-level languages like Python.

12. How many types of communications are there in computer language?

There are two main types of communication: Machine Level Language and High-Level Language (including Assembly).

13. In Python, a variable must be declared before it is assigned a value.

This is incorrect in Python. Variables are created when a value is assigned for the first time.

14. Define variables j and k.

```
j, k = 37, 52
print("Sum =", j + k)

j, k = 8, 3
print("Sum =", j + k)
print("Product =", j * k)
```

15. Create program with given variables.

```
FirstName = "Raja"
LastName = "Shekhar"
PhoneNumber = "9703971577"
Email = "raj@peramsons.com"
JavaMarks = 70
PythonMarks = 90
Database = 90
WebDevelopment = 90
TotalMarks = 340
Average = 85.00

print("Name:", FirstName, LastName)
print("Phone:", PhoneNumber)
print("Email:", Email)
print("Java Marks:", JavaMarks)
print("Python Marks:", PythonMarks)
print("Database Marks:", Database)
print("Web Development:", WebDevelopment)
print("Total Marks:", TotalMarks)
print("Average:", Average)
```