

PRACTICE SET/QUESTIONNAIRES

1. List the different versions of python



Python version	Maintenance status	First released	End of support	Release schedule
3.9	bugfix	2020-10-05	2025-10	PEP 596
3.8	bugfix	2019-10-14	2024-10	PEP 569
3.7	security	2018-06-27	2023-06-27	PEP 537
3.6	security	2016-12-23	2021-12-23	PEP 494
2.7	end-of-life	2010-07-03	2020-01-01	PEP 373

2. Write and explain the function used to output the data.

→ In Python, a function is a group of related statements that performs a specific task. Functions help break our program into smaller and modular chunks. As our program grows larger and larger, functions make it more organized and manageable. Furthermore, it avoids repetition and makes the code reusable.

We use the `print()` function to output data to the standard output device (screen).

```
print("This is Assignment 1 Question 2")
```

Output-

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\prati\Desktop\pps assin1> & C:/Users/prati/AppData/Local/Programs/Python/Python39/python.exe "c:/Users/prati/Desktop/pps assin1/A72.py"
This is Assignment 1 Question 2
PS C:\Users\prati\Desktop\pps assin1>
```

Another example

Input-

```
a = 72
print("The value of a is",a)
```

Output-



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 2: Python
Windows PowerShell
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PS C:\Users\prati\Desktop\pps assin1> & C:/Users/prati/AppData/Local/Programs/Python/Python39/python.exe "c:/Users/prati/Desktop/pps assin1/A72.py"
The value of a is 72
PS C:\Users\prati\Desktop\pps assin1>
```

3. Write an algorithm and flowchart to display name and roll no of student.

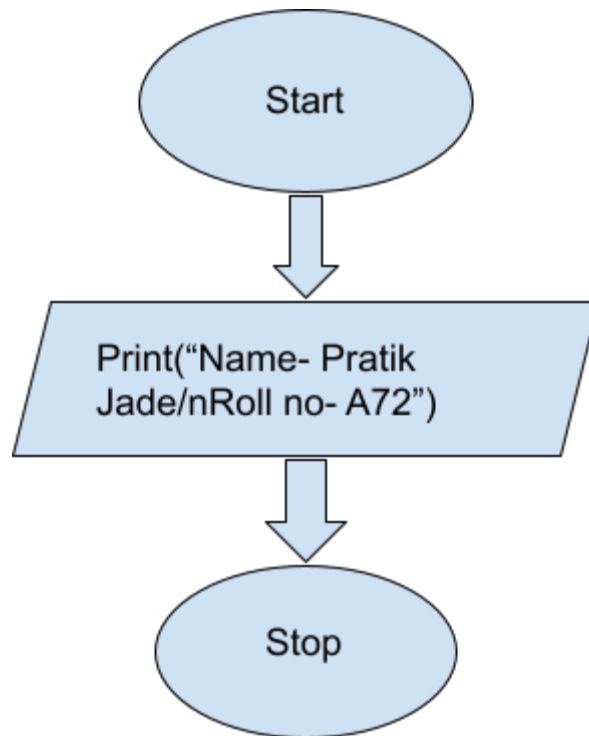
→ Algorithm

Step 1: Start

Step 2: print(Student name, Student Roll no)

Step 3: Stop

Flowchart-



4. Implement a program to display your name, Roll no, College name, Branch (Each information is on new line.)

```
Name = ("Pratik Jade")
print("Name-",Name)
print("Roll no- A72\nDiv- A")
print(''College Name- G.H. Rasoni College of Engineering And
Management
Branch- AI'')
```

Output-

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
2: Python
Windows PowerShell
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PS C:\Users\prati\Desktop\pps assin1> & C:/Users/prati/AppData/Local/Programs/Python/Python39/python.exe "c:/Users/prati/Desktop/pps assin1/A72Assignment1.py"
Name- Pratik Jade
Roll no- A72
Div- A
College Name- G.H. Rasoni College of Engineering And Management
Branch- AI
PS C:\Users\prati\Desktop\pps assin1>
```