

Task - 6

Date - 13/10/2025

① What are the different ways to print output using print()? ?

→ The print() function in python offers various ways to format and display output.

① Basic printing: printing a single string or var.

```
print("Hello")
name = "Alice"
print(name)
```

② printing multiple items:

separated by spaces →

```
print("Name:", name, "Age:", 30)
```

③ customizing separator:

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

④ control end char:

```
print("This is on the one line", end=" ")
print("same line")
```

⑤ formatted output (f-strings):

```
item = "laptop"
```

```
price = 1200.50
```

```
print(f"The {item} costs ${price:.2f}.")
```

⑥ formatted output (.format() method)

```
quantity = 5
```

```
products = "widgets"
```

```
print("You ordered {} {}.".format(quantity, product))
```

⑦ printing lists & Iterables:

```
my_list = [1, 2, 3]
```

```
print(my_list)
```

⑧ unpacking with * operator:

```
print(*mylist, sep=",")
```

② What is keyword and write the list of keywords present in python?

→ A keyword in python is a reserved word that has a special meaning and purpose within the language.

keywords cannot be used as identifiers (e.g. variable names, function names, class name)

→ List of keywords:

```
print("The list of keywords is:")
print(keyword.kwlist).
```

→

false, None, True, --peg-parser--, and, as, assert, async, await, break, class, continue, def, del, elif, else, except, finally, for, from, global, if, import, in, is, lambda, nonlocal, not, or, pass, raise, return, try, while, with, yield.

③ How to add comments in python programs?

→ ① single line comments →

single line comments begin with a hash symbol (#)

② multiline comments (Block comments):

Use ## at the beginning of each line you want to comment out.

③ Docstring (Documentation string)

Docstrings are special type of multiline comments used to document modules, functions, classes & methods.

- They are enclosed in ("""data""" or '''data''')

④ WAP to print name and age using f-string and take input dynamically?

→

```
name = input("Enter your name:")
```

```
age = int(input("Enter your age:"))
```

```
print(f"Hi, {name}. your age is {age}.")
```

⑤ It is possible to use keyword name as variable name if yes then why? if not then why?

→ - No, You cannot use a keyword as a variable name because keywords are reserved words with special, predefined meanings to the compiler.
- Using a keyword as a variable name will result in a compile-time error because the compiler would not be able to distinguish between the keyword's purpose and variable you are trying to declare.