

PYTHON

Practical 1: Print “Hello World”

Program:

```
print("Hello World")
```

Output:

Hello World

Practical 2: Display Name, Class and Section

Program:

```
print("Name: Aman Kumar")  
print("Class: 9")  
print("Section: A")
```

Output:

Name: Aman Kumar

Class: 9

Section: A

Practical 3: Add Two Numbers

Program:

```
a = int(input("Enter first number: "))  
b = int(input("Enter second number: "))  
print("Sum =", a + b)
```

Output (Example):

Enter first number: 5

Enter second number: 7

Sum = 12

Practical 4: Find Simple Interest

Program:

```
p = float(input("Enter principal: "))  
r = float(input("Enter rate: "))  
t = float(input("Enter time: "))
```

```
si = (p * r * t) / 100  
print("Simple Interest =", si)
```

Output (Example):

Simple Interest = 500

Practical 5: Find Area of a Circle

Program:

```
r = float(input("Enter radius: "))  
area = 3.14 * r * r  
print("Area of Circle =", area)
```

Output (Example):

Area of Circle = 78.5

Practical 6: Check Even or Odd Number

Program:

```
num = int(input("Enter a number: "))  
  
if num % 2 == 0:  
    print("Even Number")  
else:  
    print("Odd Number")
```

Output (Example):

Even Number

Practical 7: Find Greatest of Two Numbers

Program:

```
a = int(input("Enter first number: "))  
b = int(input("Enter second number: "))
```

```
if a > b:  
    print("Greatest number is", a)  
else:  
    print("Greatest number is", b)
```

Output (Example):
Greatest number is 20

Practical 8: Check Positive, Negative or Zero

Program:

```
num = int(input("Enter a number: "))
```

```
if num > 0:  
    print("Positive Number")  
elif num < 0:  
    print("Negative Number")  
else:  
    print("Zero")
```

Output (Example):
Positive Number

Practical 9: Print Numbers from 1 to 10

Program:

```
for i in range(1, 11):  
    print(i)
```

Output:

1 2 3 4 5 6 7 8 9 10

Practical 10: Sum of First 10 Natural Numbers

Program:

```
total = 0  
for i in range(1, 11):  
    total = total + i  
  
print("Sum =", total)
```

Output:

Sum = 55

Practical 11: Multiplication Table

Program:

```
num = int(input("Enter a number: "))  
  
for i in range(1, 11):  
    print(num, "x", i, "=", num * i)
```

Output (Example):

```
2 x 1 = 2  
2 x 2 = 4  
...  
2 x 10 = 20
```

Practical 12: Factorial of a Number

Program:

```
num = int(input("Enter a number: "))  
fact = 1
```

```
for i in range(1, num + 1):  
    fact = fact * i
```

```
print("Factorial =", fact)
```

Output (Example):
Factorial = 120

Practical 13: Check Palindrome Number

Program:

```
num = input("Enter a number: ")
```

```
if num == num[::-1]:  
    print("Palindrome")  
else:  
    print("Not Palindrome")
```

Output :
Palindrome

Practical 14: Print Star Pattern

Program:

```
for i in range(1, 6):  
    print("*" * i)
```

Output:

```
*  
**  
***  
****  
*****
```

Practical 15: Use of List

Program:

```
marks = [60, 70, 80, 90]
print("Marks:", marks)
print("Total =", sum(marks))
```

Output:

```
Marks: [60, 70, 80, 90]
Total = 300
```

Practical 16: Take a number from the user and print its square

```
num = int(input("Enter a number: "))
square = num * num
print("Square of the number =", square)
```

Output:

```
Enter a number : 5
Square of the number = 25
```