

Experiment-1

Aim:

WAP to input basic student details and print them as output.

Code:

```
name = input("Enter your Name: ")  
rollno = input("Enter your roll no.: ")  
branch = input("Enter your barnch: ")  
  
print("\nOutput: " + name + " " + rollno + " " + branch)
```

Output:

```
Enter your Name: Ankush Singh  
Enter your roll no.: 040  
Enter your barnch: CSE  
Output: Ankush Singh 040 CSE
```

Experiment-2

Aim:

WAP to check whether a person can give vote or not.

Code:

```
age = int(input("Enter your age: "))
if(age >= 18):
    print("Eligible to vote")
else:
    print("Not Eligible")
```

Output:

```
Enter your age: 19
Eligible to vote
```

```
Enter your age: 17
Not Eligible
```

Experiment-3

Aim:

WAP to find factorial of a number.

Code:

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

if num < 0:
    print("Sorry, factorial does not exist for negative numbers")
elif num == 0:
    print("The factorial of 0 is 1")
else:
    for i in range(1,num + 1):
        factorial = factorial*i
    print("The factorial of",num,"is",factorial)
```

Output:

```
Enter a number: 6
The factorial of 6 is 720
```

Experiment-4

Aim:

WAP to input an array from user and output the sorted array.

Code:

```
n = int(input("Enter the number of elements in the array: "))
```

```
arr = []
```

```
print("Enter the elements of the array: ")
```

```
elements = input().split()
```

```
for i in range(n):
```

```
    arr.append(int(elements[i]))
```

```
for i in range(n):
```

```
    for j in range(0, n-i-1):
```

```
        if arr[j] > arr[j+1]:
```

```
            arr[j], arr[j+1] = arr[j+1], arr[j]
```

```
print("Sorted array:", arr)
```

Output:

```
Enter the number of elements in the array: 10
Enter the elements of the array:
4 6 3 2 1 7 9 8 10 5
Sorted array: [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
```