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Section 10 Group P1

Experiment 3

Aim: To understand the use of Input command, print statement with format keyword, assignment operators, relational operators, logical operator, if-elif-else statements, list in python using jupyter notebook (Anaconda).

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Section 10 Group P1

```
# Experiment 3
# Input command
# Print statement with format keyword
# Assignment Operators
# Relational Operators
# Logical operator; &:and, |:or, 0:False, 1:True (any non zero value is true)
# if elif else
# list; indexing +ve -ve, slicing
```

```
# Input, print and assignment statement
name=input("Enter your name :")
enro=int(input("Enter enrollment number"))
print("Your name is", name, ". And your enrollment number is",enro)
print("Your name is {a}. And your enrollment number is {b}.".format(a=name, b=enro))
print("Your name is {0}. And your enrollment number is {1}.".format(name, enro))
print("Your name is {}. And your enrollment number is {}.".format(name, enro))
```

```
Enter your name :Manish Kumar
Enter enrollment number201010869
Your name is Manish Kumar . And your enrollment number is 201010869
Your name is Manish Kumar. And your enrollment number is 201010869.
Your name is Manish Kumar. And your enrollment number is 201010869.
Your name is Manish Kumar. And your enrollment number is 201010869.
```

```
# Relational, logical operator and if elif else statement
# positive negative number
num=int(input("Enter a number :"))
if(True):
    if(num > 0):
        print("Number is positive.")
    elif(num < 0):
        print("Number is negative.")
    else:
        print("Number is neither positive nor negative, it is zero.")
```

```
Enter a number :55
Number is positive.
```

```python
# List
name=["Manish"]
surname=["Kumar"]
print(name)
name.extend(surname)
print(name)
name.insert(1,'_')
print(name)
name.append('abc')
print(name)
name.pop()
print(name)
name.remove('_')
print(name)
name.pop(1)
print(name)
```

```
['Manish']
['Manish', 'Kumar']
['Manish', '_', 'Kumar']
['Manish', '_', 'Kumar', 'abc']
['Manish', '_', 'Kumar']
['Manish', 'Kumar']
['Manish']
```

```python
# List slicing
# list_Name[starting index: ending index: gap in index]
x=input("Enter a string :")
x=list(x)
print(x)
print(x[::])
print(x[0:])
print(x[0:len(x):2])
print(x[-1:-len(x)-1:-1])
```

```
Enter a string :FateAverruncus
['F', 'a', 't', 'e', 'A', 'v', 'e', 'r', 'r', 'u', 'n', 'c', 'u', 's']
['F', 'a', 't', 'e', 'A', 'v', 'e', 'r', 'r', 'u', 'n', 'c', 'u', 's']
['F', 'a', 't', 'e', 'A', 'v', 'e', 'r', 'r', 'u', 'n', 'c', 'u', 's']
['F', 't', 'A', 'e', 'r', 'n', 'u']
['s', 'u', 'c', 'n', 'u', 'r', 'r', 'e', 'v', 'A', 'e', 't', 'a', 'F']
```

Conclusion: Successfully executed the use of Input command, print statement with format keyword, assignment operators, relational operators, logical operator, if-elif-else statements, list concept on jupyter platform.