Programs of Input, Output and Functions

In [2]:
```python
# 1) write a program to take two input from the user calculate their product a
x,y=[int(i) for i in input("Enter two no. by giving space: ").split()]
p=x*y
print(f"Product of {x} and {y} : {p}")
```

```
Enter two no. by giving space: 5 6
Product of 5 and 6 : 30
```

In [4]:
```python
# 2) write a program to take input from the user. The input will be a string c
# print the unicode corresponding to the character
s=input("enter your string: ")
for i in s:
    print(f"{ord(i)}",end=" ")
```

```
enter your string: nikhil vishwakarma
110 105 107 104 105 108 32 118 105 115 104 119 97 107 97 114 109 97
```

In [7]:
```python
# 3) write a python f() to calculate area of circle
def area_Circle(r):
    return 3.14*(r**2)
r=int(input("Enter radius of Circle: "))
print(f"Area of circle: {area_Circle(r)}")
```

```
Enter radius of Circle: 7
Area of circle: 153.86
```

In [9]:
```python
# 4) write a python f() to calculate Compound Interest
def ci(p,r,t):
    s=p*((1+(r/100))**n)
    return s-p
p=float(input("Enter Principal Amount: "))
r=float(input("Enter Rate of Interest: "))
n=int(input("Enter Time Period: "))
print(f"Area of circle: {ci(p,r,n)}")
```

```
Enter Principal Amount: 1000
Enter Rate of Interest: 12
Enter Time Period: 2
Area of circle: 254.4000000000001
```

```python
# 5) write a python f() to calculate average of n no.
def average_N(n):
    k=0
    for i in range(n+1):
        k+=i
    return k/n
n=int(input("Enter a no.: "))
print(f"Average of {n} no.: {average_N(n)}")
```

```
Enter a no.: 15
Average of 15 no.: 8.0
```

```python
# 6) write a python f()to calculate volume of cuboid
def vol_Cube(a,b,c):
    return a*b*c

l,b,h=[int(i) for i in input("Enter side of Cuboid by giving space: ").split()
print(f"volume of cube: {vol_Cube(l,b,h)}")
```

```
Enter side of Cuboid by giving space: 10 12 12
volume of cube: 1440
```

In [ ]: