Assignment 1 Day 6

In [19]:
```
class bank_account:
    def __init__(self):
        self.balance=0
        print("Hello!!! Welcome to the deposit & withdrawl machine")
    def deposit(self):
        amount=float(input("enter amount to be deposited:"))
        self.balance += amount
        print("\n Amount amount to be deposited:",amount)
    def withdraw(self):
        amount=float(input("enter amount to withdraw:"))
        if self.balance>=amount:
            self.balance -= amount
            print("\n your withdrew:",amount)
        else:
            print("\n insufficient balance")
s=bank_account()
s.deposit()
s.withdraw()
```

```
Hello!!! Welcome to the deposit & withdrawl machine
enter amount to be deposited:15000

 Amount amount to be deposited: 15000.0
enter amount to withdraw:16000

 insufficient balance
```

Assignment 2 day 6

In [18]:
```
import math
class cone():
    def __init__(self,r,h):
        self.radius=r
        self.height=h
    def volume(self):
        return math.pi*(self.radius**2)*self.height*(1/3)
    def surfacearea(self):
        print("base:\n",math.pi*(self.radius**2), "side:",math.pi*self.radius*math.sqrt(self
.radius**2+self.height**2))

r=int(input("enter radius of cone:"))
h=int(input("enter height of the cone:"))
obj=cone(r,h)
print("volume of cone:",(obj.volume()))
print("surfacearea of cone:",(obj.surfacearea()))
```

```
enter radius of cone:3
enter height of the cone:3
volume of cone: 28.274333882308134
base:
 28.274333882308138 side: 39.98594644342529
surfacearea of cone: None
```