```python
class Books:
    library_name="Technical library"
    def _init_(self,name,author):
        self.name=name
        self.author=author
    def show(self) :
        print ("Book name",self.name,"Author name",self.author,self.library_name)
stud=Books("python","charles")
stud.show()
```

```python
class Books:
    library_name="Technical library"
    def _init_(self):
        self.name="Python"
        self.author="Charles"
    def show(self) :
        print ("Book name",self.name,'\n',"Author name",self.author,self.library_name)
stud=Books()
stud.show()
```

```python
class Books:
    library_name="Technical library"
    def _init_(self,name="Python"):
        self.name=name
        self.author="Charles"
    def show(self) :
        print ("Book name",self.name,'\n',"Author name",self.author,self.library_name)
stud=Books()
stud.show()
```

```python
class Bankaccount:
    def __init__(self,name,acc_no,bal=0):
        self.name=name
        self.acc_no=acc_no
        self.bal=bal
    def deposit(self,amount):
        self.bal+=amount
        print(f"${amount} deposited")
    def withdraw(self,amount):
        self.bal-=amount
        print(f"{amount}withdrawn successfully,Remainig balance:{self.bal}")

    def checkbal(self):
        print("Acoount Balance",self.bal)


acc=Bankaccount('khan',"1007200722042006",12000)
acc.deposit(5000)
acc.withdraw(1000)
acc.checkbal()




class Cosmetics:
    def __init__(self,name="Lipstick",brand="NARS",price=1500,category="Make-up"):
        self.name=name
        self.brand=brand
        self.price=price
        self.category=category
    def disp(self):
```

```python
        print("COSMETIC NAME:",self.name)

        print('BRAND NAME:',self.brand)

        print('PRICE',self.price)

        print('CATEGORY',self.category)


prdt=Cosmetics("sunscreen","nars",13542,"skincrae")

prdt.disp()




roll_no=int(input('enter roll number'))

name=input('enter name')

m1=int(input('enter mark1'))

m2=int(input('enter nark2'))

m3=int(input('enter mark3'))

tot=m1+m2+m3

percent=(tot/3)*100

if percent>=85:

    print('Grade S')

elif percent>=75:

    print('Grade A')

elif percent>=65:

    print('Grade B')

elif percent>=55:

    print('Grade C')

elif percent>=50:

    print('Grade D')

else:

    print('Invalid input')
```

```python
class Stud:
    def __init__(self,name,age,course,grade):
        self.name=name
        self.age=age
        self.course=course
        self.grade=grade
    def show(self):
        print(f"STUDENT NAME:{self.name}\nSTUDENT
AGE:{self.age}\nCOURSE:{self.course}\nGRADE:{self.grade}")
    def __del__(self):
        print("destructor executed successfully")
s=Stud('SHALINI',17,'BSC','A')
s.show()




class student():
    def __init__(self,roll_no,m1,m2,m3):
        self.roll_no=roll_no
        self.m1=m1
        self.m2=m2
        self.m3=m3
    def show(self):
        percent=int(((self.m1+self.m2+self.m3)/300)*100)
        print(percent)
        if percent>=85:
            print('Grade S')
        elif percent>=75:
            print('Grade A')
        elif percent>=65:
            print('Grade B')
        elif percent>=55:
```

```python
        print('Grade C')
    elif percent>=50:
        print('Grade D')
    else:
        print('Invalid input')


s=student(1022,99,98,97,)
s.show()


class Employee:
    def getinfo(self):
        self.id=input('enter id')
        self.name=input('enter name')
    def displayempinfo(self):
        print(f"ID={self.id}\nName={self.name}")
class perks(Employee):
    def getdetails(self):
        self.displayinfo()
        self.sal=int(input('enter salary'))
    def displayinfo(self):
        self.displayempinfo()
        print('salary=',self.sal)
p=perks()
p.getdetails()
p.displayinfo()


class Inventory:
    def __init__(self):
        self.prodid=int(input('enter Id'))
        self.prodname=input('enter name')
        self.prodcount=int(input('enter the count'))
```

```python
class Display(Inventory):
    def show(self):
        print('Product name',self.prodid,'product name',self.prodname,'product count',self.prodcount)


d=Display()
d.show()




class Inventory:
    def __init__(self):
        self.prodid=int(input('enter Id'))
        self.prodname=input('enter name')
        self.prodcount=int(input('enter the count'))
    def show(self):
        print('Product name',self.prodid,'product name',self.prodname,'product count',self.prodcount)


d=Inventory()
d.show()
```