18.10.24 HOME TASK

#1

```
class Employee:
    def __init__(self,name,salary):
        self.name=name
        self.salary=salary
    def display_details(self):
        print("Employee Details")
        print(f"Name : {self.name}\nSalary : {self.salary}")


class Manager(Employee):
    def __init__(self,name,age,dept):
        super().__init__(name,age)
        self.dept=dept
    def print_details(self):
        print(f"Department : {self.dept}")

S=Manager('Ragu',15000,'Developer')
S.display_details()
S.print_details()
```

#2

```
class Libraryitem:
    def __init__(self,title,author,year):
        self.title=title
        self.author=author
        self.year=year
    def displayinfo(self):
        print("Book Details")
        print(f"Title : {self.title}\nAuthor : {self.author}\nPublication year : {self.year}")


class Book(Libraryitem):
    def __init__(self,title,author,year,genre):
        super().__init__(title,author,year)
        self.genre=genre
    def print_details(self):
        print(f"Genre : {self.genre}")
```

```
S=Book('The Catcher in the Rye','Herman Melville',1851,'Adventure,Epic,Tragedy')
S.displayinfo()
S.print_details()

#3
class BankDetails:
    def __init__(self,balance=0):
        self.balance=balance
    def deposit(self,amount):
        if amount>0:
            self.balance+=amount
            print("Amount is deposited successfully")
        else:
            print("Amount is not deposited")
    def withdraw(self,amount):
        if amount>0:
            self.balance-=amount
            print("Amount is withdrawed successfully")
        else:
            print("Amount is not withdrawed")
    def check_balance(self):
         print(f"Balance : {self.balance}")

D=BankDetails()
D.deposit(5000)
D.withdraw(1000)
D.check_balance()
```