1. class Calci:

def \_\_init\_\_(self,a,b):

self.a=a

self.b=b

def add (a,b):

return a+b

def sub(a,b):

return a-b

def div(a,b):

return a/b

def mul(a,b):

return a\*b

obj\_1=Calci

a=int(input("enter the value of a"))

b=int(input("enter the value of b"))

ch=int(input("enter the value of choice"))

if(ch==1):

print(obj\_1.add(a,b))

elif(ch==2):

print(obj\_1.sub(a,b))

elif(ch==3):

print(obj\_1.div(a,b))

else:

print(obj\_1.mul(a,b))

1. class Calci:

def \_\_init\_\_(self,a,b):

self.a=a

self.b=b

def add (a,b):

return a+b

def sub(a,b):

return a-b

def div(a,b):

return a/b

def mul(a,b):

return a\*b

obj\_1=Calci

a=int(input("enter the value of a"))

b=int(input("enter the value of b"))

ch=int(input("enter the value of choice"))

if(ch==1):

print(obj\_1.add(a,b))

elif(ch==2):

print(obj\_1.sub(a,b))

elif(ch==3):

print(obj\_1.div(a,b))

else:

print(obj\_1.mul(a,b))

1. class student\_Data:

def \_\_init\_\_(self,name,roll,age,branch,cgpa):

self.name=name

self.roll=roll

self.age=age

self.branch=branch

self.cgpa=cgpa

self.marks\_btech==marks\_btech

self.marks\_10th=marks\_10th

self.marks\_inter=marks\_inter

def Display(name,roll,age,branch,cgpa):

return f"name :{name} roll\_number :{roll} age = {age}"

def grade(cgpa):

if(cgpa>9.5):

return"EXCELLENT"

elif(cgpa>7 and cgpa>9):

return "good"

elif(cgpa>6 and cgpa<7):

return "average"

def check\_placements(marks\_10th,marks\_inter,marks\_btech):

if(marks\_10th>60 and marks\_btech>60 and marks\_inter>60):

return"you are eligible for placements"

else:return"you are not eligible for placement"

# creating object

student\_1=student\_Data

student\_2=student\_Data

#print(student\_1.display("shruthi",20,21,"civil",7.0))

#print(student\_1.check\_displacemnet(70,77,80))

#print(student\_2.grade(9.7))

1. class atmsystem:

def \_\_init(self,initial\_balance=0):

self.balance = initial\_balance

def deposit(self):

amount=int(input("enter the money you want"))

self.balance += amount

print(f"{amount} desposited sucessful")

def withdraw(self):

amount=int(input("enter the money you want to withdraw"))

if amount > self.balance:

print("insufficient funds")

else:

self.balance -= amount

print(f"{amount} withdraw sucessfully")

def check\_balance(self):

print(f"current balance:{self balance}")

def exit(self):

print("thanks for using our atm")

tm = atmsystem(initial\_balance=35000)

while true:

print("\n------atm menu------")

print("1.deposit")

print("2.withdraw")

print("3.check balance")

print("exit")

choice = int(input("enter your choice:"))

if choice ==1:

atm.deposit()

elif choice ==2:

atm.withdraw()

elif choice==3:

atm.check\_balance

elif choice==4:

atm.exit()

break

else:

print("invalid choice please try again.")

1. class atmsystem:

def \_\_init(self,initial\_balance=0):

self.balance = initial\_balance

def deposit(self):

amount=int(input("enter the money you want"))

self.balance += amount

print(f"{amount} desposited sucessful")

def withdraw(self):

amount=int(input("enter the money you want to withdraw"))

if amount > self.balance:

print("insufficient funds")

else:

self.balance -= amount

print(f"{amount} withdraw sucessfully")

def check\_balance(self):

print(f"current balance:{self balance}")

def exit(self):

print("thanks for using our atm")

tm = atmsystem(initial\_balance=35000)

while true:

print("\n------atm menu------")

print("1.deposit")

print("2.withdraw")

print("3.check balance")

print("exit")

choice = int(input("enter your choice:"))

if choice ==1:

atm.deposit()

elif choice ==2:

atm.withdraw()

elif choice==3:

atm.check\_balance

elif choice==4:

atm.exit()

break

else:

print("invalid choice please try again.")