

In [23]:

```
1 # Karanjot Singh
```

In [27]:

```

1  class BankAccount:
2      def __init__(self,name,amount,time):
3          self.ROI = 10.5
4          self.name = name
5          self.amount = amount
6          self.time = time
7      def Display(self):
8          print(" ")
9          print(self.name+" have Amount :"+str(self.amount))
10
11     def Deposit(self):
12         amount = float(input("Enter the Amount:"))
13         self.amount += amount
14         print("\nAmount Deposited!!!!!!")
15
16     def Withdraw(self):
17         with_draw = float(input("Enter the Amount to Withdraw:"))
18         if self.amount == 0 or with_draw > self.amount :
19             print("\nInsufficient Balance!!!!!!")
20         else:
21             self.amount = self.amount - with_draw
22             print("Amount Updated!!!!")
23     def CalculateIntrest(self):
24         simple_int = (self.amount*self.time*self.ROI)/100
25         print("Simple Intrest(Rate of Intrest) After "+str(self.time)+" years is :",s
26     def process(self,cust):
27         print("----WELCOME----")
28         self.name = input("Enter Your Name:")
29         self.amount = float(input("Enter the Initial Amount:"))
30         print("\nHello ",self.name)
31         self.time = float(input("Enter the Rate For Intrest(in Years):"))
32         cust1 = BankAccount(self.name,self.amount,self.time)
33         while(True):
34             print(" ")
35             print("Press 1 to Deposit.")
36             print("Press 2 to Withdraw.")
37             print("Press 3 to Calculate Rate of Intrest.")
38             print("Press 4 to Display Amount.")
39             print("Press 5 to Exit")
40             choice = int(input("\nEnter your choice:"))
41             if choice == 1:
42                 cust.Deposit()
43             elif choice == 2 :
44                 cust.Withdraw()
45             elif choice == 3:
46                 cust.CalculateIntrest()
47             elif choice == 4:
48                 cust.Display()
49             elif choice == 5:
50                 print("----Exiting----")
51                 break
52             else:
53                 print("Enter a valid Number!!!!")
54
55     print("=====WELCOME=====")
56     while True:
57         print("Press 1 to Open a new Account.")
58         print("Press 2 to Exit")
59         choice = int(input("Enter your Choice:"))

```

```
60     if choice == 1:
61         print("Opening New Account!!!!\n")
62         cust = BankAccount("",0.0,0.0)
63         cust.process(cust)
64     elif choice == 2:
65         print("====Exiting Bank====")
66         break
67     else:
68         print(" ")
69         print("Press A valid Number!!!!")
70
```

=====WELCOME=====

Press 1 to Open a new Account.

Press 2 to Exit

Enter your Choice:1

Opening New Account!!!!

----WELCOME----

Enter Your Name:karan

Enter the Initial Amount:1200

Hello karan

Enter the Rate For Intrest(in Years):3.5

Press 1 to Deposit.

Press 2 to Withdraw.

Press 3 to Calculate Rate of Intrest.

Press 4 to Display Amount.

Press 5 to Exit

Enter your choice:3

Simple Intrest(Rate of Intrest) After 3.5 years is : 441.0

Press 1 to Deposit.

Press 2 to Withdraw.

Press 3 to Calculate Rate of Intrest.

Press 4 to Display Amount.

Press 5 to Exit

Enter your choice:1

Enter the Amount:5600

Amount Deposited!!!!!!

Press 1 to Deposit.

Press 2 to Withdraw.

Press 3 to Calculate Rate of Intrest.

Press 4 to Display Amount.

Press 5 to Exit

Enter your choice:4

karan have Amount :6800.0

Press 1 to Deposit.

Press 2 to Withdraw.

Press 3 to Calculate Rate of Intrest.

Press 4 to Display Amount.

Press 5 to Exit

```
Enter your choice:2
Enter the Amount to Withdraw:1241
Amount Updated!!!!
```

```
Press 1 to Deposit.
Press 2 to Withdraw.
Press 3 to Calculate Rate of Intrest.
Press 4 to Display Amount.
Press 5 to Exit
```

```
Enter your choice:4
```

```
karan have Amount :5559.0
```

```
Press 1 to Deposit.
Press 2 to Withdraw.
Press 3 to Calculate Rate of Intrest.
Press 4 to Display Amount.
Press 5 to Exit
```

```
Enter your choice:5
----Exiting----
Press 1 to Open a new Account.
Press 2 to Exit
Enter your Choice:2
=====Exiting Bank=====
```