INTRODUCTION

This project Travel Management System includes some features for the real travel management system. Also this includes registration of flight for any country you want.
You can enter the farther information as number of adults number of chilled and how many weight you have to carry with you etc. Also there are different types of payment methods lik UPI, Net Banking, Debit, Credit. This all process totally online.

ALGORITHM

Step 1:- Start

Step 2:- Create object of Scanner class.

Step 3:- Using While loop.

While=true.

Enter 1st no then Register.

Enter 2nd no then Login.

Enter 3rd no then Logout.

Step 4:- First you have to register.

1) Enter your name.

2) Enter your email id.

3) Enter your phone no.

4) Enter your password.

Step 5:- Then you have to login.

1) Enter your email id as user name.

2) Enter password.

Step 6:- Display Places:–

1)Enter 1st no then see places and price India Country.

2)Enter 2nd no then see places and price Foreign Country.

Step 7:- Take choice from user and booking your package to switch statement.

Step 8:- Use switch statement.

case 1:- Enter 1st no then booking Mumbai to Pune.

break;

case 2:- Enter 2nd no then bookingPune to Satara.

break;

case 3:- Enter 3rdno then bookingSatara to Goa.

break;

case 4:- Enter 4th no then bookingMumbai to Aurangabad.

break;

case 5:- Enter 5th no then bookingPune to Kolhapur.

break;

case 6:- Enter 6th no then bookingMumbai to Goa.

break;

case 7:- Enter 7th no then bookingGermany (Munich).

break;

case 8:- Enter 8th no then bookingUK (London).

break;

case 9:- Enter 9th no then bookingSpain (Madrid).

break;

case 10:- Enter 10th no then bookingCanada (Ottawa).

break;

case 11 :- Enter 11th no then bookingDubai (Air Port).

break;

default:- Display message as "Invalid choice!!".

break;

Step 9:- Take user's choice then booking your package.

Step 10:- Enter the number of adults, number of child, price only for adults, weight you carry with you.

Step 11:- Using if-else statement.

```
if(weight > 25)
  {
  System.out.println("You carry your weight is perfect and press 1");
  }
else
{
    System.out.println("You carry your weight is more than 25kg then extra charges are apply as 200 Rs.");
```

}

Step 12:- Enter the user choice for pay the bill.

Enter the 1st no bill pay by Debit card.

Enter the 2nd no bill pay by NetBanking.

Enter the 3rd no bill pay by UPI.

Step 13:- Using the switch statement.

case 1:- Debit card.

i. Enter your bank name.
ii. Enter account name.
iii. Enter expiry date.
iv. Enter CVV number.
v. Enter the OTP for verification.
vi. Bill paid

Congratulation !! Booking done successfully…

break;

case 2:-NetBanking.

i. Enter account number.
ii. Enter CVV number.
iii. Enter the OTP for verification.
iv. Bill paid.

Congratulation !! Booking done successfully…

break;

case 3:- UPI.

i. Enter UPI id.
ii. Enter the OTP for verification.
iii. Bill paid.

Congratulation !! Booking done successfully…

break;

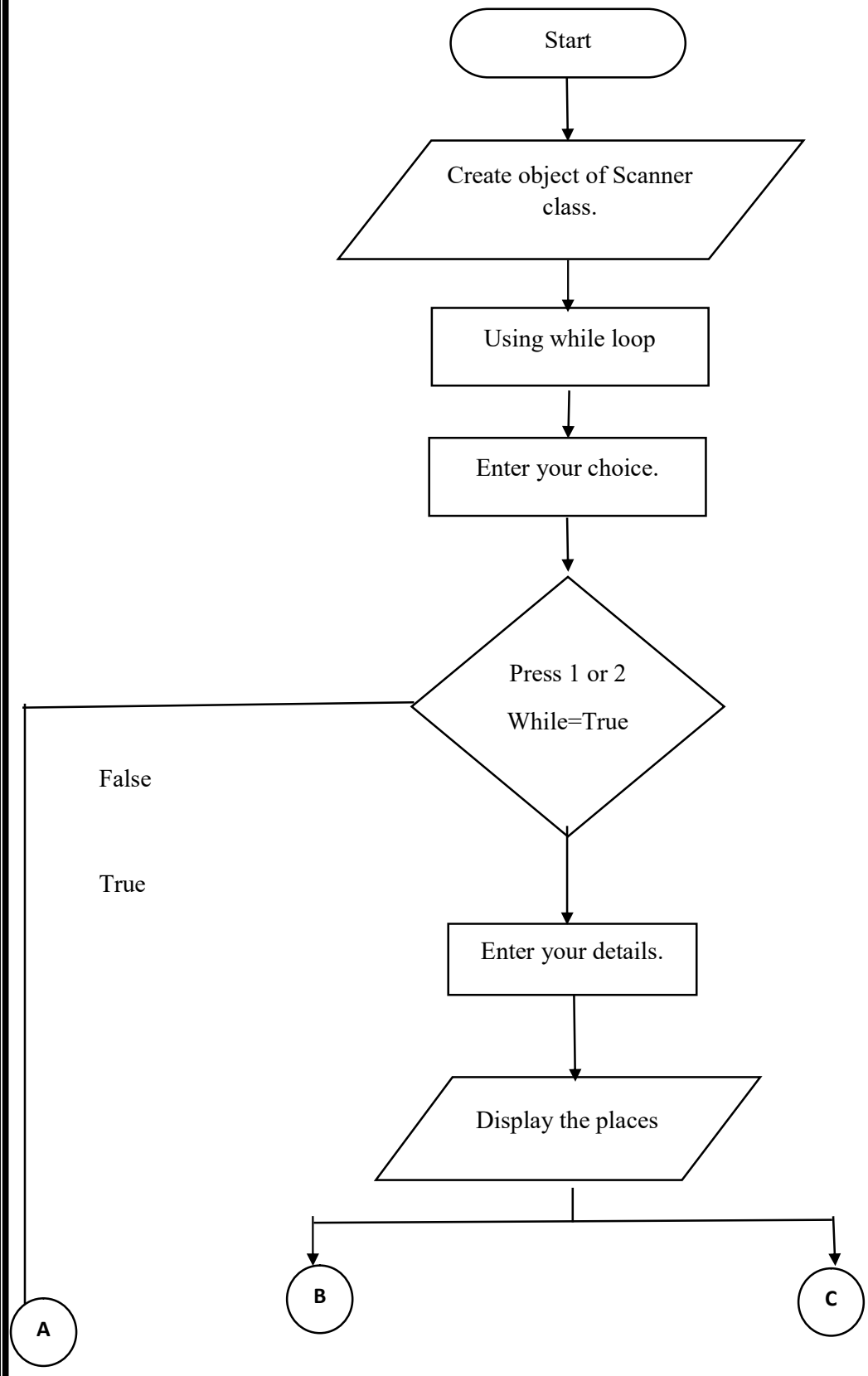
default:-Invalid choice.

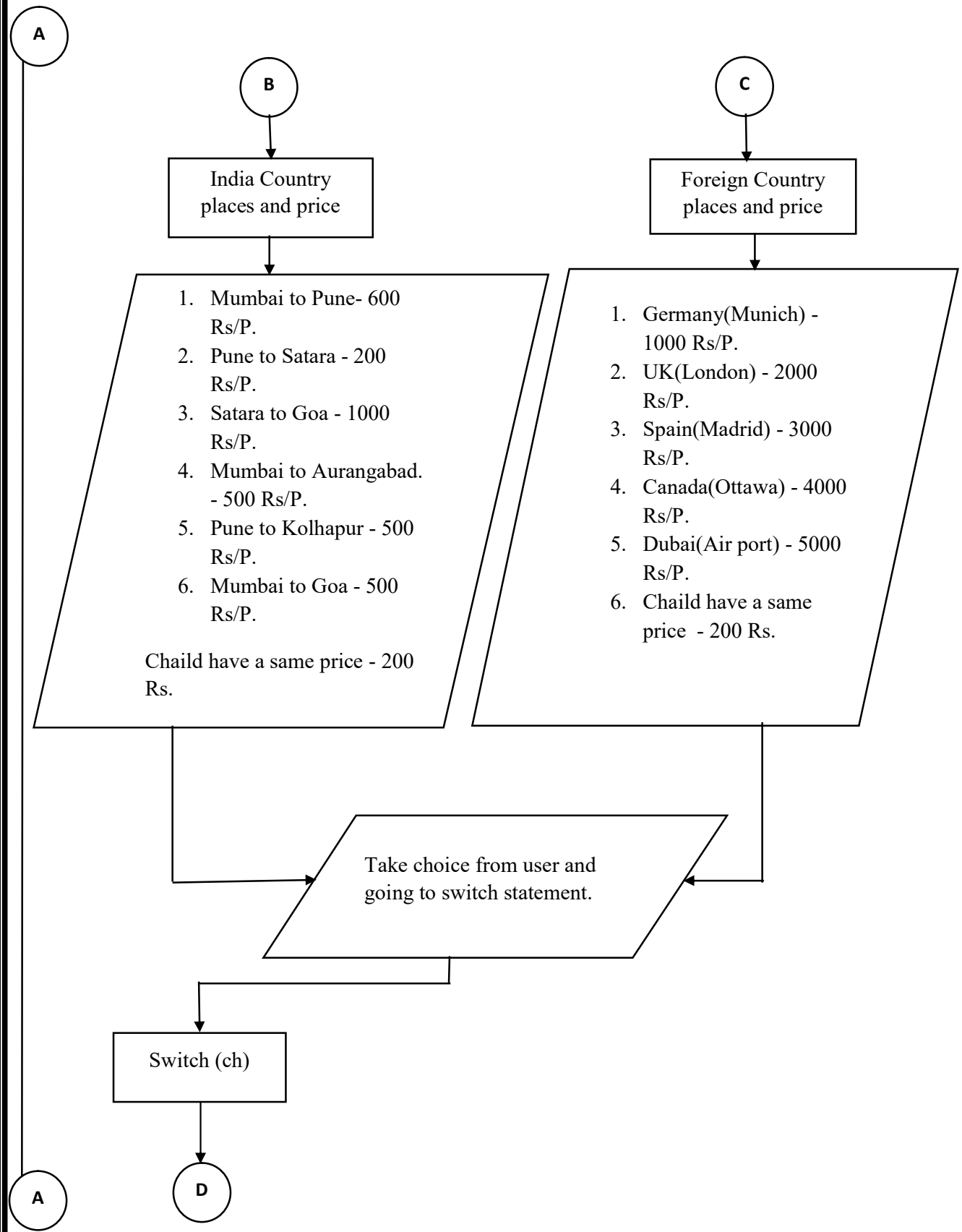
break;

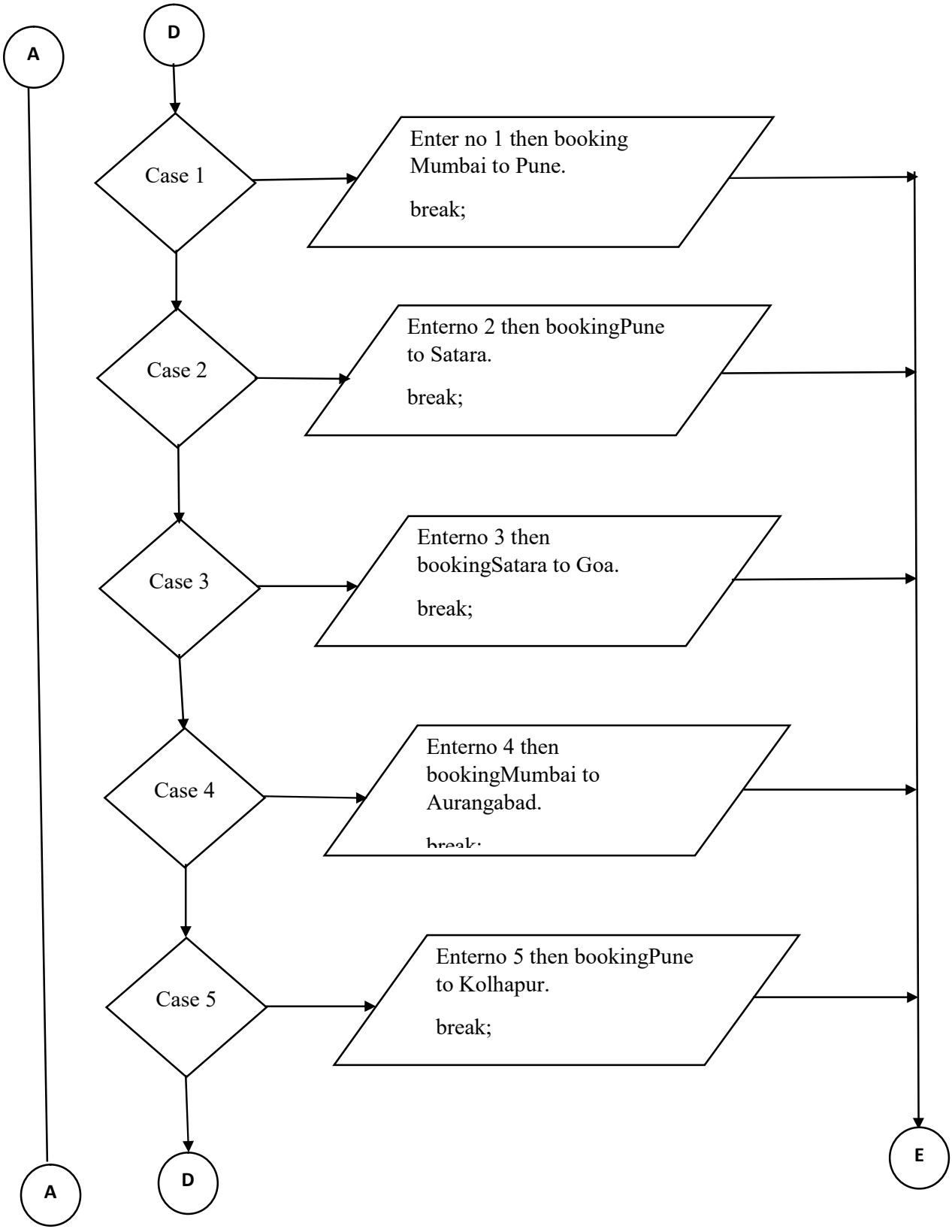
Step 14:- Then last step is Logout your id.

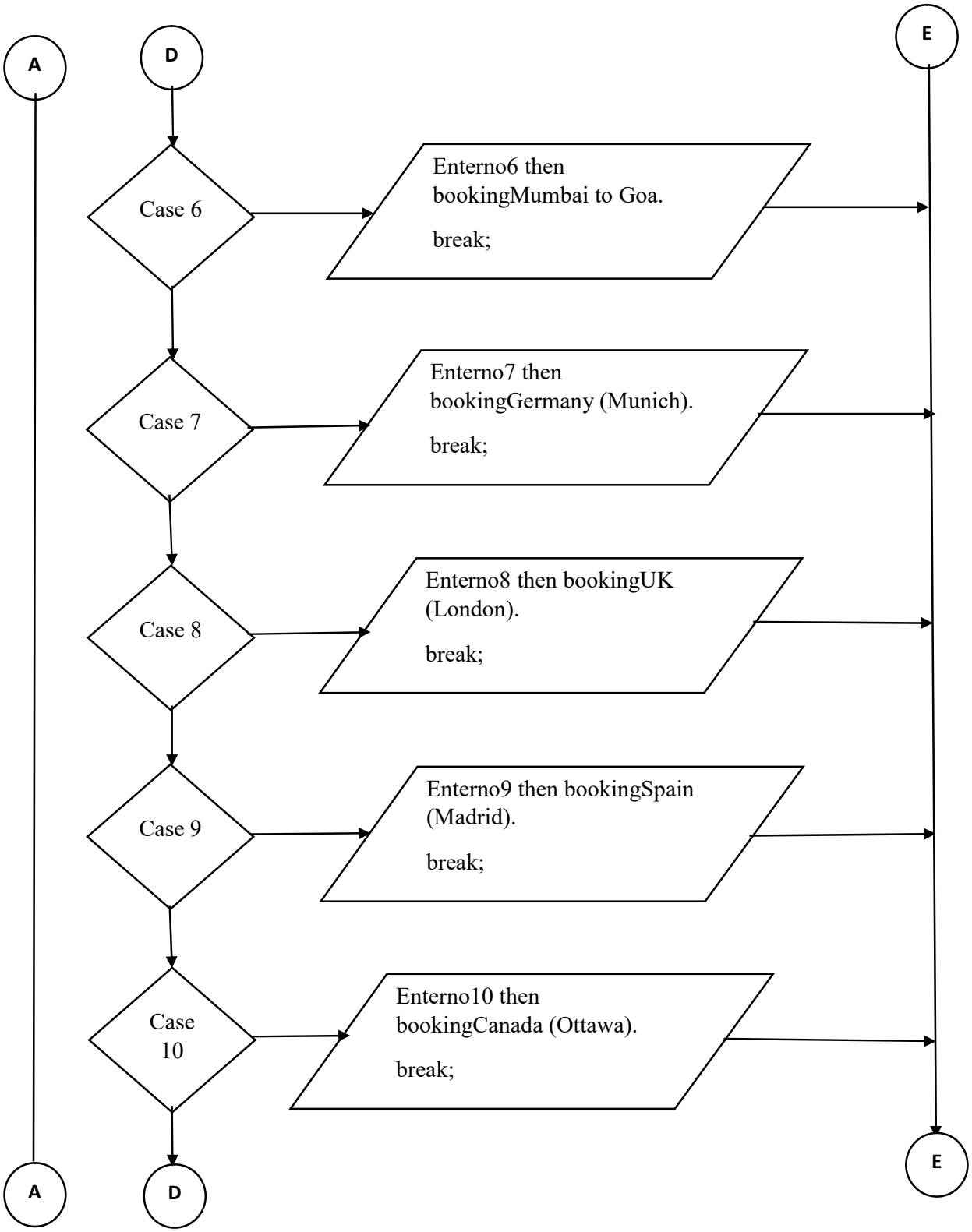
Step 15:- End.

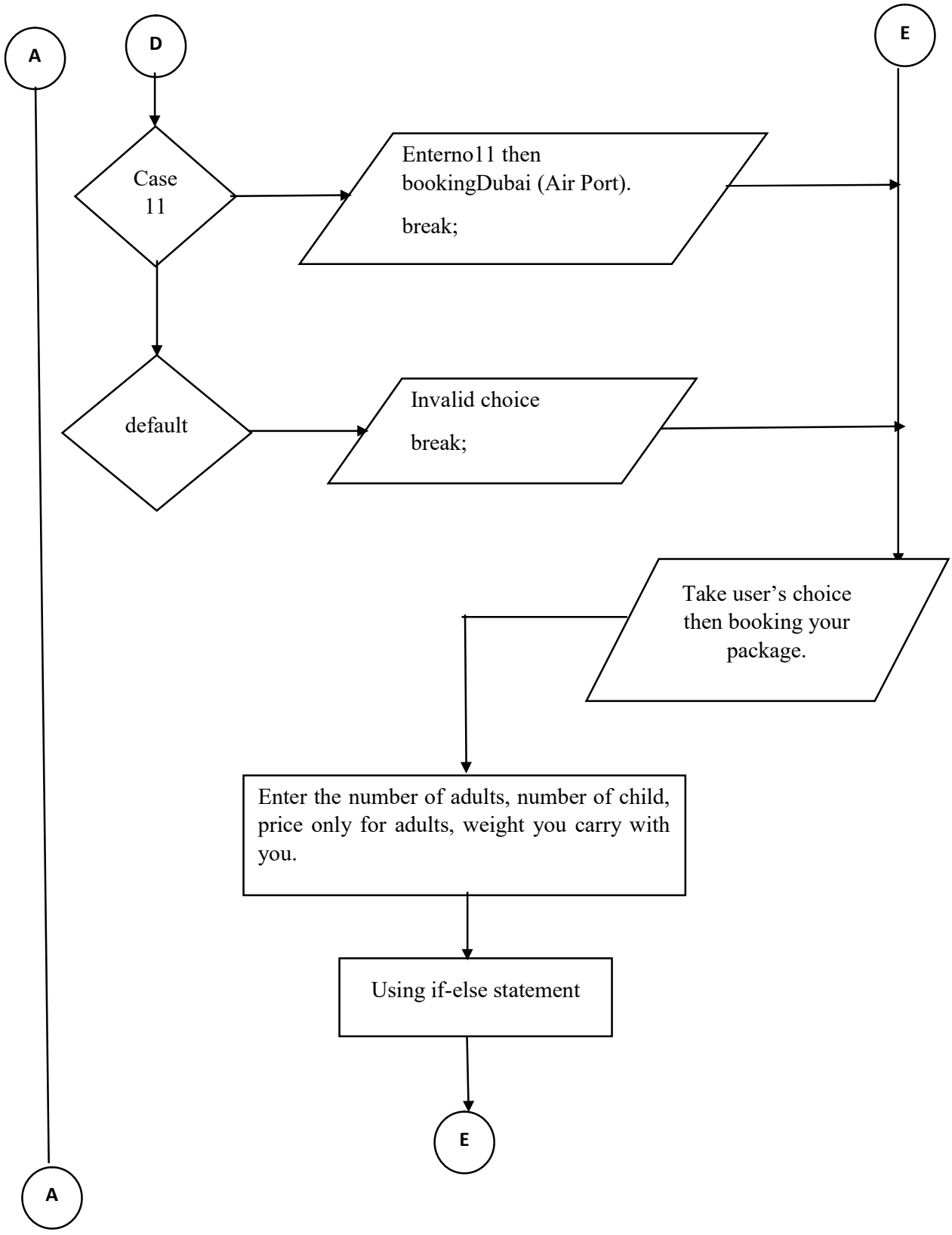
FLOWCHART

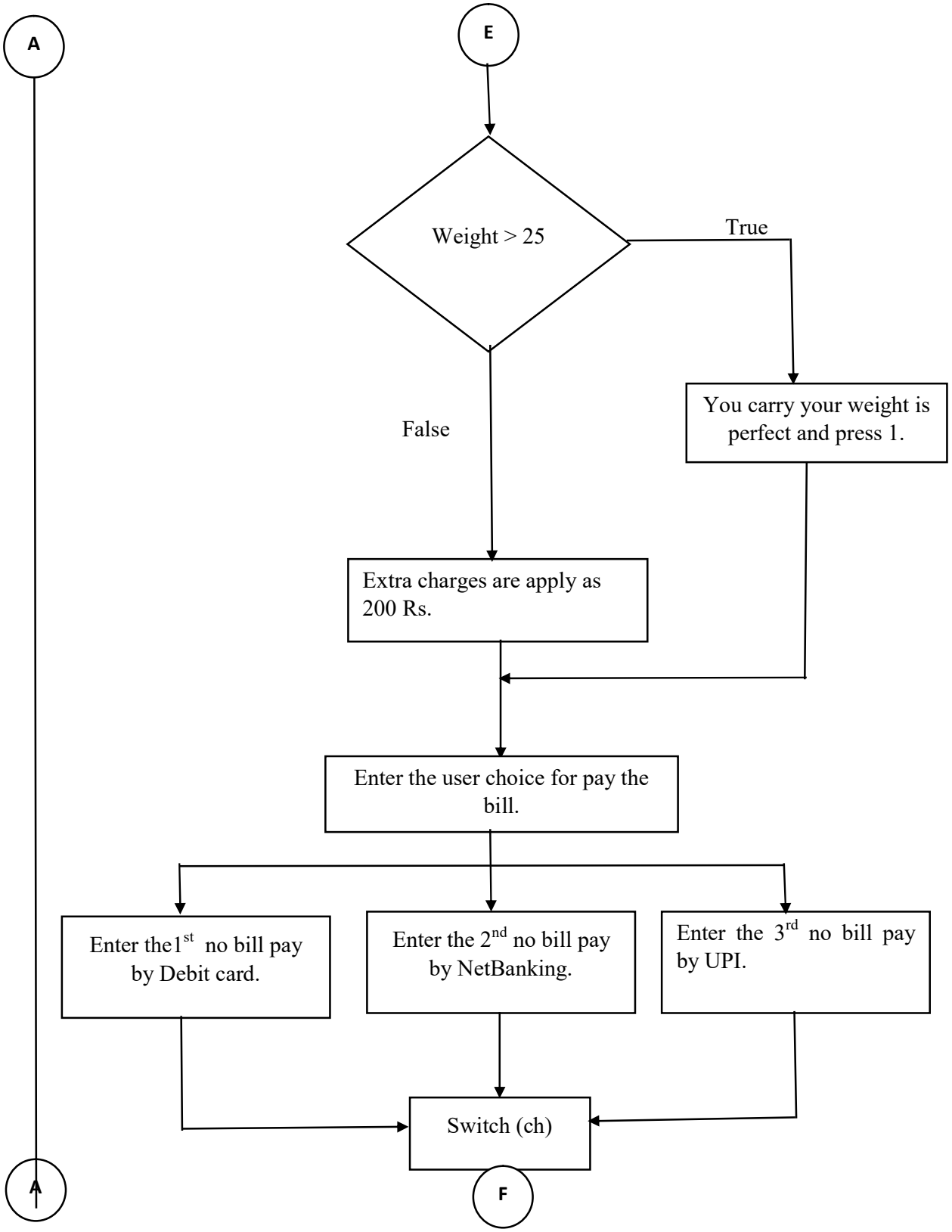

Start
Create object of Scanner class.
Using while loop
Enter your choice.
Press 1 or 2
While=True
False
True
Enter your details.
Display the places
B
C
A

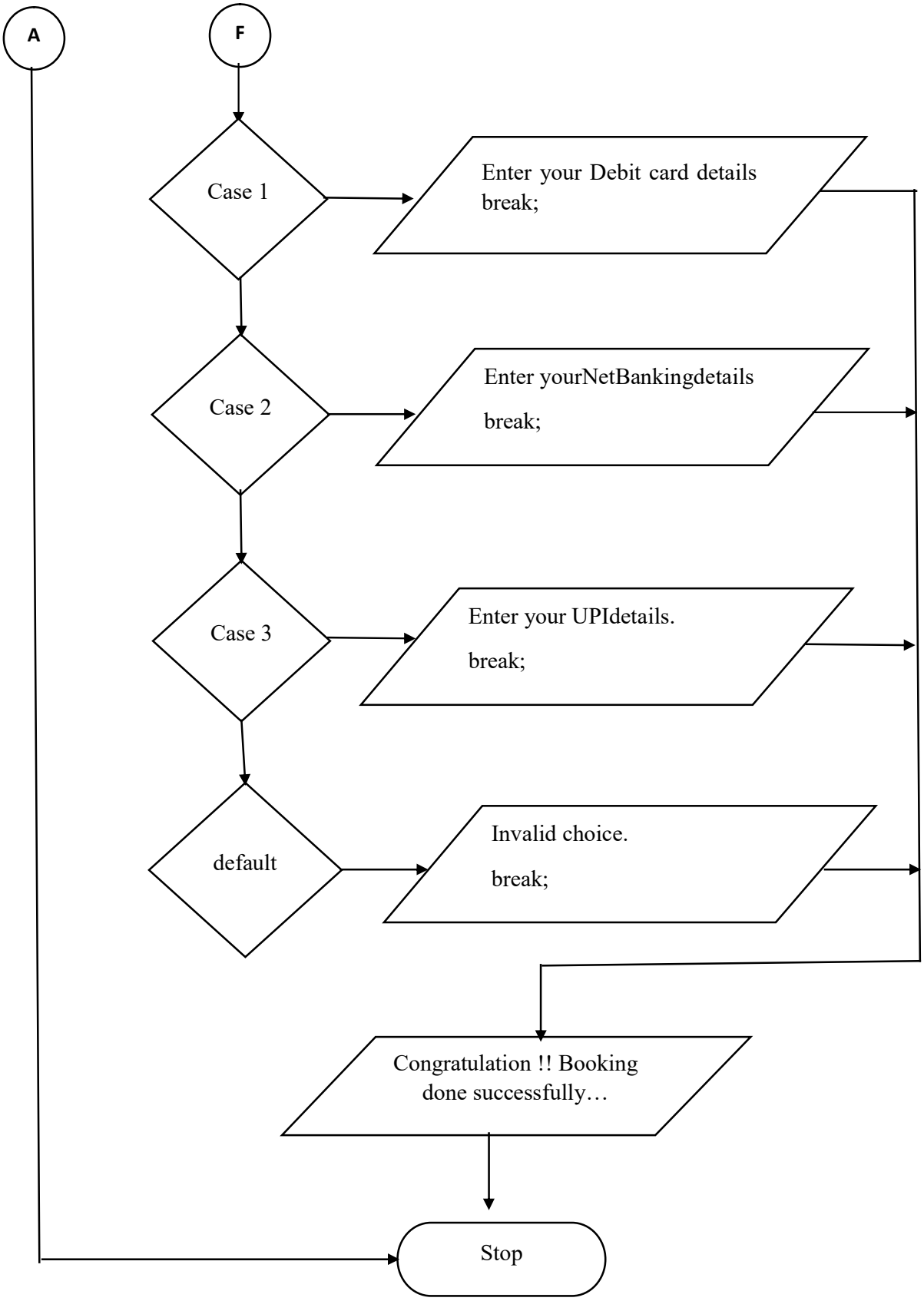

A
B
C
India Country places and price
Foreign Country places and price
1. Mumbai to Pune- 600 Rs/P.
2. Pune to Satara - 200 Rs/P.
3. Satara to Goa - 1000 Rs/P.
4. Mumbai to Aurangabad. - 500 Rs/P.
5. Pune to Kolhapur - 500 Rs/P.
6. Mumbai to Goa - 500 Rs/P.
Chaild have a same price - 200 Rs.
1. Germany(Munich) - 1000 Rs/P.
2. UK(London) - 2000 Rs/P.
3. Spain(Madrid) - 3000 Rs/P.
4. Canada(Ottawa) - 4000 Rs/P.
5. Dubai(Air port) - 5000 Rs/P.
6. Chaild have a same price - 200 Rs.
Take choice from user and going to switch statement.
Switch (ch)
D
A


A
D
Case 1
Enter no 1 then booking
Mumbai to Pune.
break;
Case 2
Enterno 2 then bookingPune
to Satara.
break;
Case 3
Enterno 3 then
bookingSatara to Goa.
break;
Case 4
Enterno 4 then
bookingMumbai to
Aurangabad.
break;
Case 5
Enterno 5 then bookingPune
to Kolhapur.
break;
E
A
D


A
D
E
Case 6
Enterno6 then bookingMumbai to Goa.
break;
Case 7
Enterno7 then bookingGermany (Munich).
break;
Case 8
Enterno8 then bookingUK (London).
break;
Case 9
Enterno9 then bookingSpain (Madrid).
break;
Case 10
Enterno10 then bookingCanada (Ottawa).
break;
E
A
D


A
D
E
Case 11
Enterno11 then bookingDubai (Air Port).
break;
default
Invalid choice
break;
Take user's choice then booking your package.
Enter the number of adults, number of child, price only for adults, weight you carry with you.
Using if-else statement
E
A


A
E
Weight > 25
True
False
You carry your weight is perfect and press 1.
Extra charges are apply as 200 Rs.
Enter the user choice for pay the bill.
Enter the1st no bill pay by Debit card.
Enter the 2nd no bill pay by NetBanking.
Enter the 3rd no bill pay by UPI.
Switch (ch)
A
F


A
F
Case 1
Enter your Debit card details
break;
Case 2
Enter yourNetBankingdetails
break;
Case 3
Enter your UPIdetails.
break;
default
Invalid choice.
break;
Congratulation !! Booking
done successfully…
Stop

CODE

```
import java.util.*;
class Travel
{
   public void Register(){
      Scanner sc=new Scanner(System.in);
      System.out.println("Enter your full name: ");
      String name=sc.nextLine();
      System.out.println("Enter your Email Id: ");
      String email=sc.nextLine();
      System.out.println("Enter Phone Number: ");
      String phoneno=sc.nextLine();
      System.out.println("Set Password: ");
      String Password=sc.nextLine();
   }
   public void Login(){
      Scanner sc=new Scanner(System.in);
      System.out.println("Enter your Email Id as a username: ");
      String username=sc.nextLine();
      System.out.println("Enter your Password: ");
      String password=sc.nextLine();
      Location_details();
      System.out.println("\n **** This Are Some Flights of Foreign Country ****");

   }
   public void Location_details(){
      System.out.println("\n==========Available Packages=========");
      System.out.println("\nPlace\t\t\t\tPrice");
```

```
System.out.println("\n1.Mumbai To Pune\t\t600Rs/Person \n2.Pune To Satara\t\t200Rs/Person \n3.Satara To Goa\t\t\t1000Rs/Person \n4.Mumbai To Aurangabad\t\t500Rs/Person \n5.Pune To Kolhapur\t\t500Rs/Person \n6.Mumbai To Goa\t\t\t500Rs/Person \n\nChaild Have Same Price - 200/Chaild");


System.out.println("\n========== Available Packages Foreign Country ======");

System.out.println("\nPlace\t\t\t\tPrice");

System.out.println("\n7.Germany (Munich)\t\t1000Rs/Person \n8.UK (London)\t\t2000Rs/Person \n9.Spain (Madrid)\t\t\t3000Rs/Person \n10.Canada (Ottawa)\t\t4000Rs/Person \n11.Dubai (Air Port)\t\t5000Rs/Person \n\nChaild Have Same Price - 200/Chaild");

Scanner sc=new Scanner(System.in);

System.out.println("\nSelect Your Package:");

int n=sc.nextInt();

switch(n){
   case 1:
      Booking();
      break;
   case 2:
      Booking();
      break;
   case 3:
      Booking();
      break;
   case 4:
      Booking();
      break;
   case 5:
      Booking();
      break;
   case 6:
      Booking();
```

```
            break;
        case 7:
            Booking();
            break;
        case 8:
            Booking();
            break;
        case 9:
            Booking();
            break;
        case 10:
            Booking();
            break;
        case 11:
            Booking();
            break;

        default:
            System.out.println("Invalid Choice");
            break;
    }
}



  public void Booking(){
     Scanner sc=new Scanner (System.in);
     System.out.println("\n*****Welcome to Booking*****");
     System.out.println("\nEnter the number of adults:");
     int a=sc.nextInt();
```

```
System.out.println("\nEnter the number of child:");
int c=sc.nextInt();
System.out.println("\nEnter the Price only for adults:");
float p=sc.nextFloat();

System.out.println("\nEnter the wight you carry with you : ");
int wh = sc.nextInt();

int cha = c*200;
float total =0;

System.out.println("\nIf The wight is grater than 25Kg Press 1 Otherwise Press ENTER..!");
int exwh = sc.nextInt();

if (exwh <2){
   System.out.println("\nNote -: If the wight is more tha 25Kg extra charges are apply as 200 Rs..! \n\n Thank You ..! And Continue..!");
   total = (a*p)+cha+200 ;
}
else {
   total = (a*p)+cha ;
}

System.out.println("\nTotal Bill is: "+total);
if(total<1){
   System.out.println("Booking Failed.....");
}
else{
```

```
        System.out.println("\nPay Bill by\n1.Debit Card\n2.NetBanking\n3.UPI\n\nEnter
your choice:");
        int bill=sc.nextInt();
        switch(bill){
           case 1:
              Scanner s=new Scanner(System.in);
              System.out.println("\nEnter Your bank name:");
              String bname=s.nextLine();
              System.out.println("\nEnter Account Number:");
              int acc=s.nextInt();
              System.out.println("\nEnter Expiry date(MM/YY):");
              long date=s.nextLong();
              System.out.println("\nEnter CVV Number:");
              int cvv=s.nextInt();
              System.out.println("\nEnter the OTP for verification:");
              int otp=s.nextInt();
              System.out.println("\nBILL PAID");
              System.out.println("\n**** Congratulations!!!Booking Done Scucessfully.....
**** ");
              System.out.println("\n\n======= Enjoy Your Journey ========");
              System.out.println("\n\n******** Thank You For Visiting Us *********");
              System.exit(0);
           case 2:
              Scanner n=new Scanner(System.in);
              System.out.println("\nEnter Account Number:");
              String aco=n.nextLine();
              System.out.println("\nEnter CVV Number:");
              String cv=n.nextLine();
              System.out.println("\nEnter the OTP for verification:");
              String ot=n.nextLine();
              System.out.println("\nBILL PAID");
```

```
                System.out.println("\n**** Congratulations!!!Booking Done Scucessfully.....
****");
                System.out.println("\n\n======= Enjoy Your Journey ========");
                System.out.println("\n\n******** Thank You For Visiting Us *********");
                System.exit(0);
            case 3:
                Scanner o=new Scanner(System.in);
                System.out.println("\nEnter UPI ID:");
                String upi=o.nextLine();
                System.out.println("\nEnter the OTP for verification:");
                String op=o.nextLine();
                System.out.println("\nBILL PAID");
                System.out.println("\n|**** Congratulations!!!Booking Done Sucessfully.....
****");
                System.out.println("\n\n======= Enjoy Your Journey ========");
                System.out.println("\n\n******** Thank You For Visiting Us *********");
                System.exit(0);
            default:
                System.out.println("\nInvalid Choice");
                System.exit(0);
        }
    }
  }
}
class Aakash extends Travel{
  public static void main(String args[]){
    Scanner sc=new Scanner(System.in);
    do{
      System.out.println("\n************************** TRAVEL MANAGMENT
SYSTEM ************************");
      System.out.println("1.Register\n2.Login\n3.Logout\n\nEnter Your Choice:");
```

```
            int ch=sc.nextInt();
            Aakash m = new Aakash();
            switch(ch){
               case 1:
                  m.Register();
                  break;
               case 2:
                  m.Login();
                  break;
               case 3:
                  System.exit(0);
                  break;
               default:
                  System.out.println("Invalid Choice");
                  break;
            }
         }while(true);
      }
   }
```

OUTPUT

1) Register :-

```
*************************** TRAVEL MANAGMENT SYSTEM ************************
1.Register
2.Login
3.Logout

Enter Your Choice:
1
Enter your full name:
[redacted]
Enter your Email Id:
[redacted]@gmail.com
Enter Phone Number:
[redacted]
Set Password:
123
```

2) Login :-

```
*************************** TRAVEL MANAGMENT SYSTEM ************************
1.Register
2.Login
3.Logout

Enter Your Choice:
2
Enter your Email Id as a username:
[redacted]
Enter your Password:
123
```

3) Available Flights :-

```
==========Available Packages=========

Place               Price

1.Mumbai To Pune        600Rs/Person
2.Pune To Satara        200Rs/Person
3.Satara To Goa         1000Rs/Person
4.Mumbai To Aurangabad      500Rs/Person
5.Pune To Kolhapur      500Rs/Person
6.Mumbai To Goa         500Rs/Person

Chaild Have Same Price - 200/Chaild

========== Available Packages Foreign Country =========

Place               Price

7.Germany (Munich)      1000Rs/Person
8.UK (London)       2000Rs/Person
9.Spain (Madrid)            3000Rs/Person
10.Canada (Ottawa)      4000Rs/Person
11.Dubai (Air Port)     5000Rs/Person

Chaild Have Same Price - 200/Chaild
```

4) After Flight Selection :-

```
Select Your Package:
2

*****Welcome to Booking*****

Enter the number of adults:
2

Enter the number of child:
1

Enter the Price only for adults:
2000

Enter the wight you carry with you :
28

If The wight is grater than 25Kg Press 1 Otherwise Press ENTER..!
1

Note -: If the wight is more tha 25Kg extra charges are apply as 200 Rs..!

 Thank You ..! And Continue..!
```

5) Total Bill And Payment :-

```
Total Bill is: 4400.0

Pay Bill by
1.Debit Card
2.NetBanking
3.UPI

Enter your choice:
2

Enter Account Number:
4464316545

Enter CVV Number:
4545

Enter the OTP for verification:
785461
```

6) End :-

```
BILL PAID

**** Congratulations!!!Booking Done Scucessfully..... ****


======= Enjoy Your Journey ========


******** Thank You For Visiting Us *********
```

ADVANTAGES

1. The simple interface between user and company.
2. The customer should book his/her package by knowing information about packages
3. We have provided facility of choosing packages of traveling and tourism to the user.
4. We have got knowledge about how the user will take a good advantage of this type of interface (software).

APPLICATIONS

1) Any tourist agency can make a use of it for saving customer details.
2) User can easily choose options included in this system.
3) Provided facility of choosing packages of traveling and tourism to the user.

CONCLUSION

a. We have developed programs using Object Oriented methodology in Java.

b. We have applied concepts of inheritance for code reusability.

c. We have implemented exception handling.

d. We have developed programs for handling I/O and file streams.

REFERENCE

Website:

1. https://www.nptelvideos.com/java/java_video_lectures_tutuorials.php
2. https://www.iitk.ac.in/esc101/08Jul/notes.html

Books:

1) Programming with Java

-Balaguruswamy E.

2) Java & programming Black book

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