

JAVA PROJECT



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Course Code: CSE310

Course Title: JAVA Programming

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CODE

```
import java.io.FileWriter;
import java.util.*;
import java.io.IOException;
import java .util.Scanner;
import java.util.Random;
class demo2
{
    void get_data() {
        try { Scanner s=new Scanner(System.in);
            FileWriter myWriter = new FileWriter("filename.txt");
System.out.println("\t\t\t ENTER THE USER NAME :");
            String name=s.nextLine();
System.out.println("\t\t\t ENTER THE USER AGE :");
            int age=s.nextInt();
System.out.println("\t\t\t ENTER THE USER CREDIT
SCORE :");
int cr=s.nextInt();
            myWriter.write(name+age+cr);
            myWriter.close();
        }
    }
```

```
System.out.println("\t\t\t RECORD SUCESSFULLY  
SUBMITTED");
```

```
}
```

```
catch (IOException e) {
```

```
System.out.println("An error occurred.");
```

```
e.printStackTrace();
```

```
}
```

```
}
```

```
}
```

```
class demo1
```

```
{void new_policy()
```

```
{int m;
```

```
do{
```

```
System.out.println("\t\t\t 1: Buy a new policy");
```

```
System.out.println("\t\t\t 2: To renew a existing policy");
```

```
System.out.println("\t\t\t 3: To go back to main menu");
```

```
Scanner s=new Scanner(System.in);
```

```
m=s.nextInt();
switch(m)
{case 1:
System.out.println("\t\t\t!!*****CHOOSE
POLICIES*****!!");
System.out.println("\t\t\t 1 for a health policy");
System.out.println("\t\t\t 2 for a car loan");
System.out.println("\t\t\t 3 for a home loan");
System.out.println("\t\t\t 4 for a term plans");
int c=s.nextInt();
switch(c)
{case 1:
System.out.println("You applied for a health policy");
break;
case 2:
System.out.println("You applied for the car loan");
break;
case 3:
System.out.println("You applied for a home loan");
break;
case 4:
System.out.println("You applied for the term plans");
```

```
break;
default:
System.out.println("you enntered the wronng option");
break;
}
break;
case 2:
System.out.println("Existing Policy Renewed");
break;
case 3:
System.out.println("Exit!!");
break;
}}while(m!=3);
}
```

```
void premium_calculator()
{Scanner s = new Scanner(System.in);
System.out.println("\t\t ENTER THE EXISTING
AMOUNT:");
int amount=s.nextInt();
```

```
System.out.println("\t\t\t 1 : know the intrest on health  
policy:");
```

```
System.out.println("\t\t\t 2 : know the intrest on car loan:");
```

```
System.out.println("\t\t\t 3 : know the intrest on home  
loan:");
```

```
System.out.println("\t\t\t 4 : know the intrest on term  
plans:");
```

```
int k=s.nextInt();
```

```
switch(k)
```

```
{case 1:
```

```
amount+=(amount*12)/100;
```

```
System.out.println("AMOUNT WITH INTREST :"+  
amount);
```

```
break;
```

```
case 2:
```

```
amount+=(amount*25)/100;
```

```
System.out.println("AMOUNT WITH INTREST :"+  
amount);
```

```
break;
```

```
case 3:
```

```
amount+=(amount*18)/100;
```

```
System.out.println("AMOUNT WITH INTREST :"+  
amount);
```

```
break;  
case 4:  
amount+=(amount*19)/100;  
System.out.println('AMOUNT WITH INTREST :'+  
amount);  
break;  
}  
}  
}
```

```
class demo
```

```
{
```

```
void credit_score()
```

```
{
```

```
Random rand = new Random(); //instance of random class
```

```
int upperbound = 1000;
```

```
//generate random values from 0-1000
```

```
int int_random = rand.nextInt(upperbound);
```

```
System.out.println("\t\t\t YOUR CREDIT SCORE  
IS:"+int_random);
```

```
}
```

```
void foreign_units()
{
Scanner s = new Scanner(System.in);
System.out.println("\t\t ENTER THE EXISTING
AMOUNT:");
float amounts=s.nextFloat();
System.out.println("\t\t\t 1 : know the units in USA:");
System.out.println("\t\t\t 2 : know the units in CHINA:");
System.out.println("\t\t\t 3 : know the units in UK:");
System.out.println("\t\t\t 4 : know the units in CANADA:");
int t=s.nextInt();
switch(t)
{case 1:
amounts*=0.013;
System.out.println("AMOUNT IN USA :"+ amounts);
break;
case 2:
amounts*=0.092;
System.out.println("AMOUNT IN CHINA :"+ amounts);
break;
```


case 3:

amounts*=0.010;

System.out.println("AMOUNT IN UK :"+ amounts);

break;

case 4:

amounts*=0.018;

System.out.println("AMOUNT IN CANADA :"+ amounts);

break;

}

}

public static void main (String a[])

{int n;

do{

System.out.println("\t\t\t!!***WELCOME TO THE
POLICY MANEGEMENT SYSTEM*****!!");**

System.out.println("\t\t\t 1: coustomer portal");

System.out.println("\t\t\t 2: premium calculator");

System.out.println("\t\t\t 3: credit score");

System.out.println("\t\t\t 4: Foreign units");

```
System.out.println("\t\t\t 5: For registration");  
System.out.println("\t\t\t 6: for exit");  
Scanner s=new Scanner(System.in);  
n=s.nextInt();
```

```
demo2 p=new demo2();  
demo1 v=new demo1();  
demo d=new demo();  
switch(n)  
{  
case 1:  
v.new_policy();  
break;  
  
case 2:  
v.premium_calculator();  
break;  
  
case 3:  
d.credit_score();  
break;
```

case 4:

d.foreign_units();

break;

case 5:

p.get_data();

break;

case 6:

System.out.println("***THANKS FOR USING THE
SYSTEM*****");**

break;

}}while(n!=6);

}

}

OUTPUTS :

Module 1:

```
C:\Windows\system32\cmd.exe - java demo
Microsoft Windows [Version 10.0.18363.720]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\ASUS>cd desktop

C:\Users\ASUS\Desktop>javac m.java

C:\Users\ASUS\Desktop>java demo
    !*****WELCOME TO THE POLICY MANEGEMENT SYSTEM*****!!
    1: coustomer portal
    2: premium calculator
    3: credit score
    4: Foreign units
    5: For registration
    6: for exit
1
    1: Buy a new policy
    2: To renew a existing policy
    3: To go back to main menu
1
    !*****CHOOSE POLICIES*****!!
    1 for a health policy
    2 for a car loan
    3 for a home loan
    4 for a term plans
2
You applied for the car loan
    1: Buy a new policy
    2: To renew a existing policy
    3: To go back to main menu
2
Existing Policy Renewed
    1: Buy a new policy
    2: To renew a existing policy
    3: To go back to main menu
3
Exit!!
    !*****WELCOME TO THE POLICY MANEGEMENT SYSTEM*****!!
    1: coustomer portal
    2: premium calculator
    3: credit score
    4: Foreign units
    5: For registration
    6: for exit
```

Module 2:

```
C:\Windows\system32\cmd.exe - java demo
3
Exit!!

        !*****WELCOME TO THE POLICY MANEGEMENT SYSTEM*****!!
        1: coustomer portal
        2: premium calculator
        3: credit score
        4: Foreign units
        5: For registration
        6: for exit

2
        ENTER THE EXISTING AMOUNT:
155644

        1 : know the intrest on health policy:
        2 : know the intrest on car loan:
        3 : know the intrest on home loan:
        4 : know the intrest on term plans:
1
AMOUNT WITH INTREST :174321

        !*****WELCOME TO THE POLICY MANEGEMENT SYSTEM*****!!
        1: coustomer portal
        2: premium calculator
        3: credit score
        4: Foreign units
        5: For registration
        6: for exit

2
        ENTER THE EXISTING AMOUNT:
962551

        1 : know the intrest on health policy:
        2 : know the intrest on car loan:
        3 : know the intrest on home loan:
        4 : know the intrest on term plans:
3
AMOUNT WITH INTREST :1135810

        !*****WELCOME TO THE POLICY MANEGEMENT SYSTEM*****!!
        1: coustomer portal
        2: premium calculator
        3: credit score
        4: Foreign units
        5: For registration
        6: for exit
```

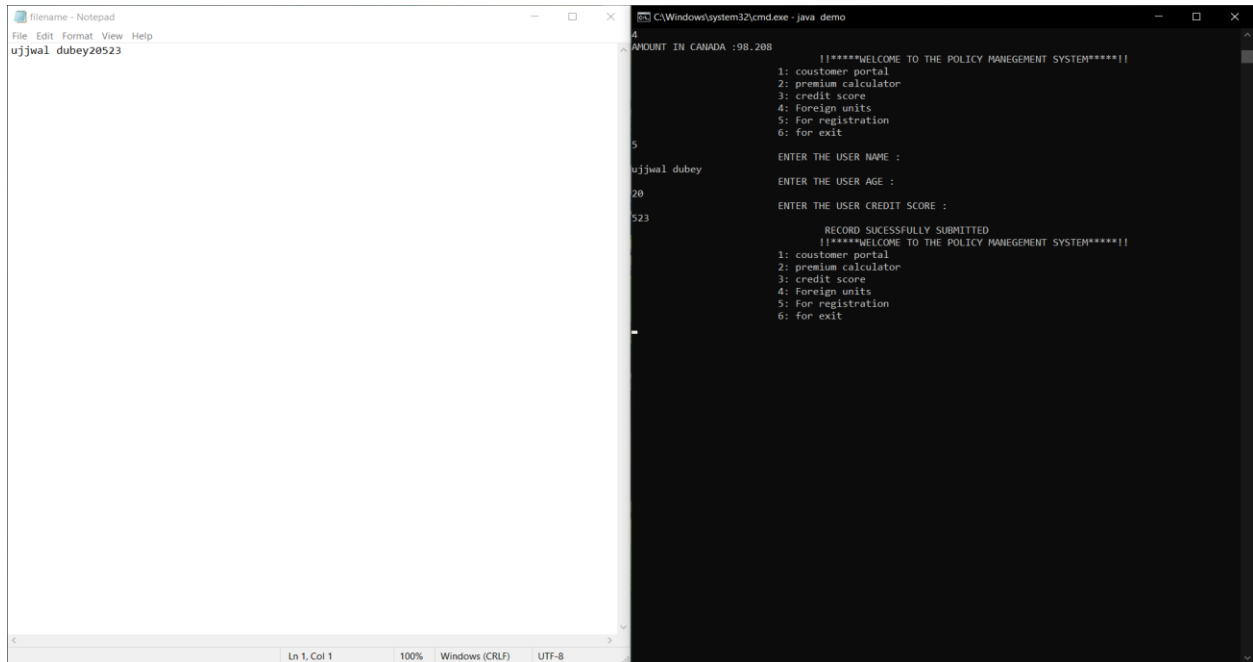
Module 3:

```
C:\Windows\system32\cmd.exe - java demo
2 : know the intrest on car loan:
3 : know the intrest on home loan:
4 : know the intrest on term plans:
3
AMOUNT WITH INTREST :1135810
!!*****WELCOME TO THE POLICY MANEGEMENT SYSTEM*****!!
1: coustomer portal
2: premium calculator
3: credit score
4: Foreign units
5: For registration
6: for exit
3
YOUR CREDIT SCORE IS:644
!!*****WELCOME TO THE POLICY MANEGEMENT SYSTEM*****!!
1: coustomer portal
2: premium calculator
3: credit score
4: Foreign units
5: For registration
6: for exit
3
YOUR CREDIT SCORE IS:917
!!*****WELCOME TO THE POLICY MANEGEMENT SYSTEM*****!!
1: coustomer portal
2: premium calculator
3: credit score
4: Foreign units
5: For registration
6: for exit
3
YOUR CREDIT SCORE IS:415
!!*****WELCOME TO THE POLICY MANEGEMENT SYSTEM*****!!
1: coustomer portal
2: premium calculator
3: credit score
4: Foreign units
5: For registration
6: for exit
3
YOUR CREDIT SCORE IS:585
!!*****WELCOME TO THE POLICY MANEGEMENT SYSTEM*****!!
1: coustomer portal
2: premium calculator
3: credit score
4: Foreign units
5: For registration
6: for exit
```

Module 4:

```
C:\Windows\system32\cmd.exe - java demo
3
    YOUR CREDIT SCORE IS:585
    !!*****WELCOME TO THE POLICY MANEGEMENT SYSTEM*****!!
    1: coustomer portal
    2: premium calculator
    3: credit score
    4: Foreign units
    5: For registration
    6: for exit
4
    ENTER THE EXISTING AMOUNT:
1254
    1 : know the units in USA:
    2 : know the units in CHINA:
    3 : know the units in UK:
    4 : know the units in CANADA:
1
AMOUNT IN USA :16.302
    !!*****WELCOME TO THE POLICY MANEGEMENT SYSTEM*****!!
    1: coustomer portal
    2: premium calculator
    3: credit score
    4: Foreign units
    5: For registration
    6: for exit
4
    ENTER THE EXISTING AMOUNT:
5456
    1 : know the units in USA:
    2 : know the units in CHINA:
    3 : know the units in UK:
    4 : know the units in CANADA:
4
AMOUNT IN CANADA :98.208
    !!*****WELCOME TO THE POLICY MANEGEMENT SYSTEM*****!!
    1: coustomer portal
    2: premium calculator
    3: credit score
    4: Foreign units
    5: For registration
    6: for exit
```

Module 5:



The screenshot shows two windows side-by-side. The left window is a Notepad application titled 'filename - Notepad' with the text 'ujjwal dubey20523'. The right window is a command prompt titled 'C:\Windows\system32\cmd.exe - java demo'. It displays the output of a Java application. The application starts with a menu: '1: customer portal', '2: premium calculator', '3: credit score', '4: Foreign units', '5: For registration', and '6: for exit'. The user enters '5'. Then it prompts for 'ENTER THE USER NAME :', 'ENTER THE USER AGE :', and 'ENTER THE USER CREDIT SCORE :'. The user enters 'ujjwal dubey', '20', and '523' respectively. The application then displays 'RECORD SUCCESSFULLY SUBMITTED' and the same menu again. The status bar at the bottom of the command prompt shows 'Ln 1, Col 1', '100%', 'Windows (CRLF)', and 'UTF-8'.

```
ujjwal dubey20523

C:\Windows\system32\cmd.exe - java demo
4
AMOUNT IN CANADA :98.288

    !*****WELCOME TO THE POLICY MANEGEMENT SYSTEM*****!!
    1: coustomer portal
    2: premium calculator
    3: credit score
    4: Foreign units
    5: For registration
    6: for exit

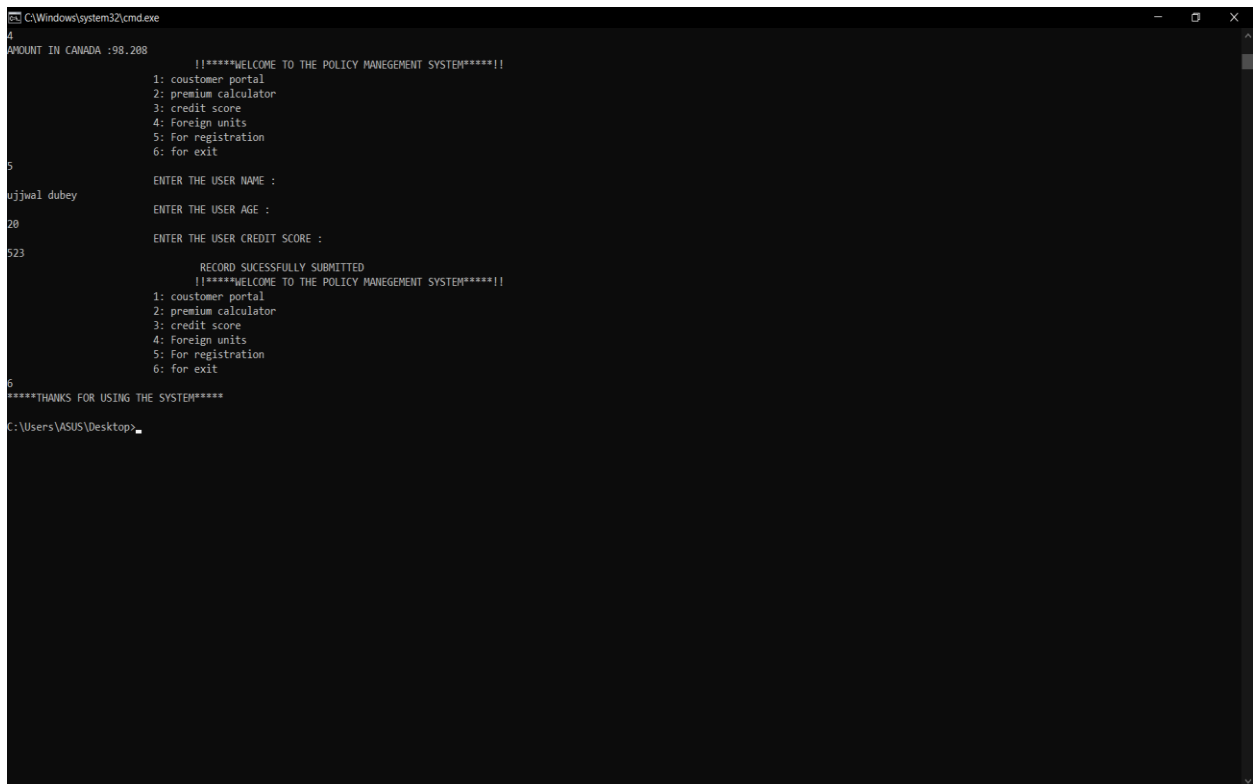
5
ENTER THE USER NAME :
ujjwal dubey
ENTER THE USER AGE :
20
ENTER THE USER CREDIT SCORE :
523

    RECORD SUCCESSFULLY SUBMITTED
    !*****WELCOME TO THE POLICY MANEGEMENT SYSTEM*****!!
    1: coustomer portal
    2: premium calculator
    3: credit score
    4: Foreign units
    5: For registration
    6: for exit

-

Ln 1, Col 1    100%    Windows (CRLF)    UTF-8
```

Module 6:



The screenshot shows a single command prompt window titled 'C:\Windows\system32\cmd.exe'. It continues the output from the previous screenshot. After the second menu, the user enters '6'. The application then displays '*****THANKS FOR USING THE SYSTEM*****'. The status bar at the bottom shows 'C:\Users\ASUS\Desktop>'.

```
C:\Windows\system32\cmd.exe
4
AMOUNT IN CANADA :98.288

    !*****WELCOME TO THE POLICY MANEGEMENT SYSTEM*****!!
    1: coustomer portal
    2: premium calculator
    3: credit score
    4: Foreign units
    5: For registration
    6: for exit

5
ENTER THE USER NAME :
ujjwal dubey
ENTER THE USER AGE :
20
ENTER THE USER CREDIT SCORE :
523

    RECORD SUCCESSFULLY SUBMITTED
    !*****WELCOME TO THE POLICY MANEGEMENT SYSTEM*****!!
    1: coustomer portal
    2: premium calculator
    3: credit score
    4: Foreign units
    5: For registration
    6: for exit

6
*****THANKS FOR USING THE SYSTEM*****

C:\Users\ASUS\Desktop>
```