

10. Develop a JAVA program to create a package named pack1 and import & implement it in a suitable class.

/*Create a package to convert temperature in centigrade into Fahrenheit, and one more package to calculate the simple Interest. Implement both package in the Main () by accepting the required inputs for each application.*/

```
package pack1;
import java.io.*;
public class centFarh{
double centi,farh;
public centFarh()
{

    Console console = System.console();
    System.out.print("Enter Temperature => ");
    centi=Double.parseDouble(console.readLine());
}
public void calcCF()
{
    farh=(centi * 9/5) +32;
    System.out.println("Farhnheit is => "+farh);
}
}
```

Save the above file in centFarh.java

```
package pack1;
import java.io.*;
public class simpleInt{
double amount,term,rate,interest;
public simpleInt()
{
    Console console = System.console();
    System.out.print("Enter Principle => ");
    amount=Double.parseDouble(console.readLine());
    System.out.print("Enter Term => ");
    term=Double.parseDouble(console.readLine());
    System.out.print("Enter Interest Rate => ");
    rate=Double.parseDouble(console.readLine());
}
public void calc()
{
    interest=((amount*rate)/100.0)*term;
    System.out.println("Interest on deposit => "+interest);
}
}
```

Save the above file in simpleInt.java

```
import pack1.simpleInt;  
import pack1.centFarh;  
class UseOfPack{  
    public static void main(String args[]){  
        simpleInt i=new simpleInt();  
        i.calc();  
        centFarh f=new centFarh();  
        f.calcCF();  
    }  
}
```

Save the above file in UseOfPack.java