Name=Muna Mohamed COMMITS and ALSO ASSIGNMENT

Reg =23/1947/BIT-S

The original code

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NEW ASSIGNMENTS MODULES

package User;

public class Person {

private String Firstname;

private int age;

private int id;

public Person(String Firstname,int age,int id)

{

this.Firstname=Firstname;

this.age=age;

this.id=id;

}

public void getName()

{

System.out.println("the FirstName is:"+Firstname);

}

public void getAge()

{

int a=age+2;

System.out.println("the age is:"+a);

}

}

module Project {  
 exports User;  
 requires ME;  
  
  
}

package Item;  
  
public class Type {  
  
 private String description;  
 private String name;  
  
 public Type(String description,String name) {  
 this.description = description;  
 this.name=name;  
 }  
  
 public String getDescription() {  
 return description;  
 }  
  
  
 }

module Management {  
 exports Item;  
  
}

package YOU;  
  
public class Utility {  
 public static boolean validateString(String str) {  
 return str != null && !str.trim().isEmpty();  
 }  
  
 public static boolean validateEmail(String email) {  
 return email != null && email.contains("@");  
 }  
  
 public static boolean validatePhoneNumber(String phoneNumber) {  
 return phoneNumber != null && phoneNumber.matches("\\d{10}");  
 }  
 }

module Middle {  
 exports YOU;  
  
}

package Transcription;  
  
public class Now {  
  
 private int transactionId;  
  
 public Now( int transactionId){  
  
 this.transactionId=transactionId;  
 }  
  
  
  
 public int getTransactionId() {  
 return transactionId;  
 }  
 }

module New {  
  
 exports Transcription;  
  
  
}

import Item.Type;  
import User.Person;  
import Transcription.Now;  
import YOU.Utility;  
  
public class Main {  
 public static void main(String[] args) {  
   
 Type t = new Type("Sample description", "Sample name");  
 System.*out*.println("Type description: " + t.getDescription());  
  
   
 Person person = new Person("John", 25, 1);  
 person.getName();  
 person.getAge();  
  
   
 Now transaction = new Now(12345);  
 System.*out*.println("Transaction ID: " + transaction.getTransactionId());  
  
 System.*out*.println("Valid email: " + Utility.*validateEmail*("test@example.com"));  
 System.*out*.println("Valid phone: " + Utility.*validatePhoneNumber*("1234567890"));  
 }  
}

module ME {  
   
  
  
 requires Middle;  
  
 requires Management;  
 requires New;  
 requires Project;  
}