Darshana pubudu keerthirathna

ICM 106 OR23106564

PROGRAMMING FUNDAMENTALS WEEK – 08 ASSIGNMENT

**Question 01**

import java.util.\*;

class Example{

public static void main(String args[]){

String[] months = {"January", "February", "March", "April", "May", "June", "July", "August",

"September", "October", "November", "December"};

int[] daysInMonth = {31, 28, 31, 30, 31, 30, 31, 31, 30, 31, 30, 31};

//Create multidimensional array with Month count

int[][] patientCounts = new int[12][];

for (int i = 0; i < 12; i++){

patientCounts[i] = new int[daysInMonth[i]];

}

//Input Paitent count via Random numbers

Random r = new Random();

for (int i = 0; i < months.length; i++){

for (int j = 0; j < daysInMonth[i]; j++){

patientCounts[i][j]=r.nextInt(501);

}

}

//Print for Given Dates

for (int i = 0; i < months.length; i++){

for (int j = 0; j < daysInMonth[i]; j++){

if((i==0&&j==16)||(i==2&&j==25)||(i==4&&j==0)||(i==6&&j==20)||(i==10&&j==29))

System.out.println("2021-"+(i+1)+"-"+(j+1)+" : "+patientCounts[i][j]);

}

}

//Program Continues…

**Question 02**

//Update for Given Dates ant Test

for (int i = 0; i <months.length; i++){

for (int j = 0; j < daysInMonth[i]; j++){

if(i==1&&j==15){

patientCounts[i][j]=78;

System.out.println(patientCounts[i][j]);

}else if(i==5&&j==4){

patientCounts[i][j]=202;

System.out.println(patientCounts[i][j]);

}else if(i==8&&j==8){

patientCounts[i][j]=181;

System.out.println(patientCounts[i][j]);

}else if(i==9&&j==9){

patientCounts[i][j]=178;

System.out.println(patientCounts[i][j]);

}else if(i==11&&j==24){

patientCounts[i][j]=84;

System.out.println(patientCounts[i][j]);

}

}

}

//Program Continues…

**Question 03**