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Sec : 02

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1. a) The title of ~~existing~~ course-project is Bangladeshi Medical Association (BMA)

medical Association (BMA)

### Users:

1. Doctor.
2. Hospital.
3. ministry of Health.
4. Committee
5. Branch wise member

### Doctor:

- a) Doctor login as a member.
- b) Doctor creat an ~~new~~ online membership
- c) Check the BMA history.

②

- d) Check the BMA constitution.
- e) send the message another member.

Hospital :

- a) Save the another hospital BMA list.
- b) save the member's information.
- c) Log in as a member.
- d) see the committee members work.
- e) complain box.

(3)

ministry of Health:

- a) APPROVE the committee list.
- b) Login as a ministry of health.
- c) see ~~at~~ every member ~~file~~.info.
- d) feedback to any members ~~not~~ Report.
- e) Solution the members problem.

Committee:

- a) make the committee list.
- b) send the committee list ~~of~~ <sup>to</sup> ministry of Health.
- c) make Appointment ~~to~~ ministry of health.
- d) Fix the candidate for committee.

(A)

- e) Fix the voting date for making branch Committee.
- Branch wise member:
- a) Selected the branch name.
  - b) Login as a Branch member.
  - c) Selected the ~~Be~~ Branch Division.
  - d) Input the member type.
  - e) View ~~Print~~ and Print member details.

Answer do- 1

b) i. Doctor:

a) Doctor login as a member :-

Workflow:-

e1) First doctor select a member login.

e2) write up a user mail & Password then

Sign up

e3) if the doctor forgot Password, Select  
rest password & email address then send

password rest link.

⑥

## 2. Hospital:

- a) save the Another Hospital BMA list.

Workflow:

e1) select Another hospital BMA list.

e2) First we will look for other hospital that include BMA.

e3) Then serial all the hospital & save

e4) click back button.

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### 3. Ministry of Health:

a) Approve the committee list.

Where to: New additional file (E)

e1) Select committee list

e2) To list the members of the committee.

e3) To select the members of the committee.

e4) Then approve the committee list.

e5) Click back button.

Scanned with CamScanner

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#### 4. Committee:

a) make a committee list.

Workflow:

e1) select committee list.

e2) To list the member who are interested.

e3) Collect their information list.

e4) click back button.

#### 5. Bank Branch wise member:

a) selected the Branch name.

Workflow:

e1) First we open branch list.

(9)

e2) Then select our branch name and type  
our branch name in the box

e3) click back button.

Answer to - 3

Answer to - 3

int s = 0;

int TRUCK = 0;

class Track

{  
    string engineType, model;

    float price;

⑩

Public:

void setTrackInfo()

{ cin >> engine;

cin >> model;

cin >> price; }

friend ostream & operator << costrem

(costrem out, Tracent); }

void addATruckToTrackArr(Track \* &trackArr)

(Track \* &trackArr)

{ Track t;

t.setTrackInfo();

(1)

```

if (s < track)
{
    trackArr[s++] = t; }

else
{
    cout << "space is not available" <<
    endl; }

}

ostream & operator << (ostream & out, Track&t)
{
    out << t.engine << " " << t.module <<
    (" " << t.price << " " << endl;

    return out;
}

```

(12)

int main()

(main → 2) 11

{ TRUCK \*truckArr;

int noofTrucks, choice, i;

cin >> noofTrucks;

truckArr = new

TRUCK [noofTrucks];

for (i=0; i<noofTrucks; i++)

{ addATruckToTruckArr (truckArr); }

for (i=0; i<noofTruckArr; i++)

{ cout << truckArr[i]; }

return 0;

}

Ans to Q.-2

```
Package midpkg;  
import java.util.Random;  
import java.util.Scanner;  
class Array  
{ protected int [] intData;  
  public void setArray (int max)  
  { intData [ ] = new int [max];  
    Random rand = new Random();  
    for (int i = 0; i < max; i++)  
      intData [i] = rand.nextInt (10);  
  }  
  public void showArray ()  
  { if (intData != null)
```

①

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```
{ for (int i=0; i<intData.length; i++)  
    { System.out.println(intData[i] + " "); }  
}
```

underlines: like what they are  
brackets: like what they are  
format: 23000

class myArray { } this is the class  
class myArray extends Array  
{  
 //protected int[] intData  
}

private int sum;

public float getAverage()

{ return sum/intData.length; }

```
Public void selMyArray(int max)
{
    Scanner sc = new Scanner(system.in);
    Random r = new Random(max);
    System.out.println("Enter array size:");
    int size = sc.nextInt();
    int[] intData = new int[size];
    for (int i=0; i<size; i++)
    {
        intData[i] = r.nextInt(max);
        sum += intData[i];
    }
    Public void showMyArray()
    {
        if (intData != null)
```

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

```
    system.out.print(intData[i] + " ");
```

(xxxx) nested usage of methods

```
}
```

class Matrix

```
{ private myArray[][] twoDHandle;
```

```
public void setMatrix(int n, int c, int max)
```

```
{ twoDHandle = new myArray[n][c]; }
```

```
for (int i=0; i<twoDHandle.length; i++)
```

```
    twoDHandle[i] = new myArray(c);
```

```

for (int i=0; i<twoDHandles.length; i++) {
    for (int j=0; j<twoDHandles[i].length; j++) {
        twoDHandles[i][j].setMyAarray(max);
    }
}

public void showMatrix () {
    for (int i=0; i<twoDHandles.length; i++) {
        for (int j=0; j<twoDHandles[i].length; j++) {
            twoDHandles[i][j].ShowAarray();
        }
    }
}

```

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```
Public float getAvgofSum()  
{  
    float sumAvg=0.0f;  
    for(int i=0; i<twoDHandle.length; i++)  
    {  
        for(int j=0; j<twoDHandle[i].length;  
            j++)  
        {  
            sumAvg+=twoDHandle[i][j];  
        }  
    }  
    return sumAvg;  
}
```

```
public class MainClass {  
    public static void main (String[] args) {  
        Scanner sc = new Scanner (System.in);  
        int r, e;  
        r = sc.nextInt();  
        System.out.println ("Enter row: ");  
        e = sc.nextInt();  
        System.out.println ("Enter Col: ");  
        c = sc.nextInt();  
        System.out.println ("Enter upper limit  
        of random values or myArray");  
    }  
}
```

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max = sc.nextInt();

Matrix m = new Matrix();

m.setMatrix(h, e, max);

m.sumMatrix();

System.out.println("Average of

Sums of matrix elements is:" +

fm.getAvgofSums());

(21)

Ans to Q-1 (20) 21/21

c) Public class Doctor

```
{ int login_id, String name, Phone number};
```

```
void Select Doctor as member () { - }
```

```
void Check BMA list () { - }
```

Public class Doctor Hospital

```
{ String name, Place , int rating ;
```

```
void Select the Hospital () { - }
```

```
void rating hospital () { - }
```