

WEEK 6(2)

Q7:

3
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Develop a java program to create a class Patient with data members pt-id, pt-name, pt-age, doc.

The program should include the following functionalities

- Accept a patient details
- Accept a patient id and display his/her details.
- Accept the name of the doctor and display the name of all patients treated by him/her.

import java.util.Scanner;

```
class Patient {  
    int p-id;  
    String p-name;  
    int p-age;  
    String doc;
```

```
    void set() {
```

```
        System.out.print("Enter patient ID, name,  
        age and attending doctor:");
```

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

```
        p-id = s.nextInt();
```

```
        p-name = s.next();
```

```
        p-age = s.nextInt();
```

```
        doc = s.next();
```

```
    }
```


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```
void display() {
    system.out.println("Patent details--");
    system.out.println("Patent ID: " + p.getId());
    Patent name = p.getName();
    String doctor = p.getDoctor();
    System.out.println("Patent name: " + name + " Doctor: " + doctor);
}
```

```
class Lab - 62 {
    public static void main (String args[]) {
        Scanner s = new Scanner(System.in);
        int n = s.nextInt();
        Patent[] p = new Patent[n];

```

```
for (int i = 0; i < n; i++) {
    p[i] = new Patent();
    p[i].set();
}
```

```
int choice;
do {
```

```
    system.out.println("Enter choice\n1. Patent details\n2. Patents grouped by doctor\n3. Exit");
```

```
    choice = s.nextInt();
```

```
    if (choice == 1) {
```

```
        system.out.println("Enter patent ID:");
```

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

```
        if (id < 0 || id > n) {
            System.out.println("Invalid ID");
        }
    }
}
```


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

{
if (p[i].p_id == id)

{
p[i].display();
break;
}

}
if (i == n)

{
system.out.print("Patient does't");
}

else if (choice == 2)

{
system.out.print("Enter doctor name");
int i;

String d = s.next();

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

{
if (p[i].dg == d)

{
system.out.print(p[i].p_name);
break;
}

}
if (i == n)

{
system.out.print("Doctor does't");
}

}
while (choice != 3)

{
}

```
Enter the number of patients:
2
Enter patient id, name, age and doctor name:
1 qw 23 wqe
Enter patient id, name, age and doctor name:
2 er 34 qwr
1:Enter patient ID
2:Enter Doctor name
3:Exit
1
Enter patient ID:
1
1 qw 23 wqe
1:Enter patient ID
2:Enter Doctor name
3:Exit
2
Enter dooctor name:
wqe
1 qw 23 wqe
1:Enter patient ID
2:Enter Doctor name
3:Exit
3
```