

Q.41: Write a program to accept and print the employee details during runtime. The details will include employee id, employee name, and department id. The program should raise an exception if user inputs incomplete or incorrect data. The entered value should meet the following conditions:

1. Employee name should be a string.
2. Employee id should be an integer.
3. Department id should be an integer between

If the above conditions are not met 1 to 5, then the application should raise an exception and execute the statement from the appropriate catch clauses.

```

class DepartmentException extends Exception
{
    DepartmentException () // constructor.
    {
        System.out.println (" Department does not exist ");
    }
}

```

```

class EmployeeDetails
{
    protected EmployeeDetails () // constructor.
    {
    }
    public static void main ( final String args [])
    {
    }
}

```

NOVEMBER	M	T	W	T	F	S	S
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	7	8	9	10	11	12	13
	14	15	16	17	18	19	20
	21	22	23	24	25	26	27
	28	29	30	.	.	.	.

27-10-2011

Thursday  
300-065 • Week 43

OCTOBER

27

Appointments Meetings

```
int empid, deptid;
String empname;
try {
```

```
empid = Integer.parseInt (args [0]);
empname = args [1];
deptid = Integer.parseInt (args [2]);
if (deptid > 5)
```

```
{
    throw new DepartmentException ();
}
```

```
else
```

```
{
    S.O.P ("Emp ID is: " + empid);
    S.O.P ("Emp name is: " + empname);
    S.O.P ("Department ID is: " + deptid);
}
```

```
}
catch (DepartmentException de)
```

```
{
    S.O.P ("Invalid Data");
}
```

```
catch (NumberFormatException ne)
```

```
{
    S.O.P ("Incomplete Data");
}
```

```
catch (ArrayIndexOutOfBoundsException ae)
```

```
{
    S.O.P ("Incomplete Data");
}
```

Second thoughts are better

Appointments or Meetings

```
> javac EmployeeDetails.java
> java EmployeeDetails
```

↙  
↙

Incomplete Data

```
> java EmployeeDetails clarke 1 3 ↙
```

Incorrect Data

```
> java EmployeeDetails 1 clarke 10 ↙
```

Department does not Exist  
Invalid Data

```
> java EmployeeDetails 1 clarke 5 ↙
```

Employee ID is : 1

Employee name is : clarke

Department ID is : 5