

```
package com.capgemini.paper;
import java.lang.*;
import java.util.*;
```

```
class NotEligibleException extends Exception
```

```
{
    private String message;

    NotEligibleException(String message)
    {
        this.message = message;
    }

    public String toString()
    {
        return message;
    }
}
```

```
class CompanyJobRepositoryT
```

```
{
    static String getJobPrediction(int age , String highestQualification) throws NotEligibleException
    {
        if(age < 19)
        {
            throw new NotEligibleException("You are underage for any job");
        }

        if("B.E.".equals(highestQualification) || "MS".equals(highestQualification) || "PhD".equals(highestQualification
    ))
        {
            String message = "";
            if(age >= 21 && "B.E.".equals(highestQualification))
            {
                message = "We have openings for junior developer";
            }
            else if(age >= 26 && ("MS".equals(highestQualification) || "PhD".equals(highestQualification)))
            {
                message = "We have openings for senior developer";
            }
            else
            {
                message = "Sorry! we have no openings for now";
            }
            return message;
        }
        throw new NotEligibleException("We do not have any job that matches your qualifications");
    }
}
```

```
public class JobAgencyTwo
```

```
{
    static String searchForJob(int age , String highestQualification) throws NotEligibleException
```

```

{
if(age >= 200 || age <= 0)
throw new NotEligibleException("The age entered is not typical for human being");

String message = "";
    try
    {
        message = CompanyJobRepository.getJobPrediction(age, highestQualification);
    }
    catch(NotEligibleException ex)
    {
        message = ex.toString();
    }
    return message;
}

public static void main(String[] args)
{
Scanner sc = new Scanner(System.in);
CompanyJobRepository c1 = new CompanyJobRepository();
System.out.println("Please enter age and highest qualification ");
    int age = sc.nextInt();
    String highestQualification = sc.next();

    try
    {
        System.out.println(SorceJob.searchForJob(age, highestQualification));
    }
    catch(NotEligibleException ex)
    {
        System.out.println(ex);
    }

    sc.close();
}
}

```