

Code:

```
import java.util.InputMismatchException;
import java.util.Scanner;

class InvalidAgeForVaccinationException extends Exception{
    InvalidAgeForVaccinationException(int age){
        int requiredYears = 18 - age;
        System.out.println("You are currently " + age + " years old. You need to be " + requiredYears + " years older to get vaccinated.");
    }
}

class Practical12{

    public static int setAge(){
        Scanner sc = new Scanner(System.in);
        int age = 0;
        try{
            System.out.print("Enter your age : ");
            age = sc.nextInt();
        }catch(InputMismatchException e){
            System.out.println("Wrong input, please re-enter age again");
            age = setAge();
        }catch (Exception e){
            System.out.println("Unexpected error : ");
            System.out.println(e);
            System.out.println("Setting age to 0.");
        }finally {
            return age;
        }
    }

    public static void main(String[] args) {
        System.out.println("\n-----\nCovid Vaccine
Registration\n-----\n");
        Scanner sc = new Scanner(System.in);
        int age;
        try{
            age = setAge();
            if(age < 18){
                throw new InvalidAgeForVaccinationException(age);
            }
        }
```

```

        System.out.println("Congratulations! You have registered for
vaccination, you'll get the information on your registered mobile no.");

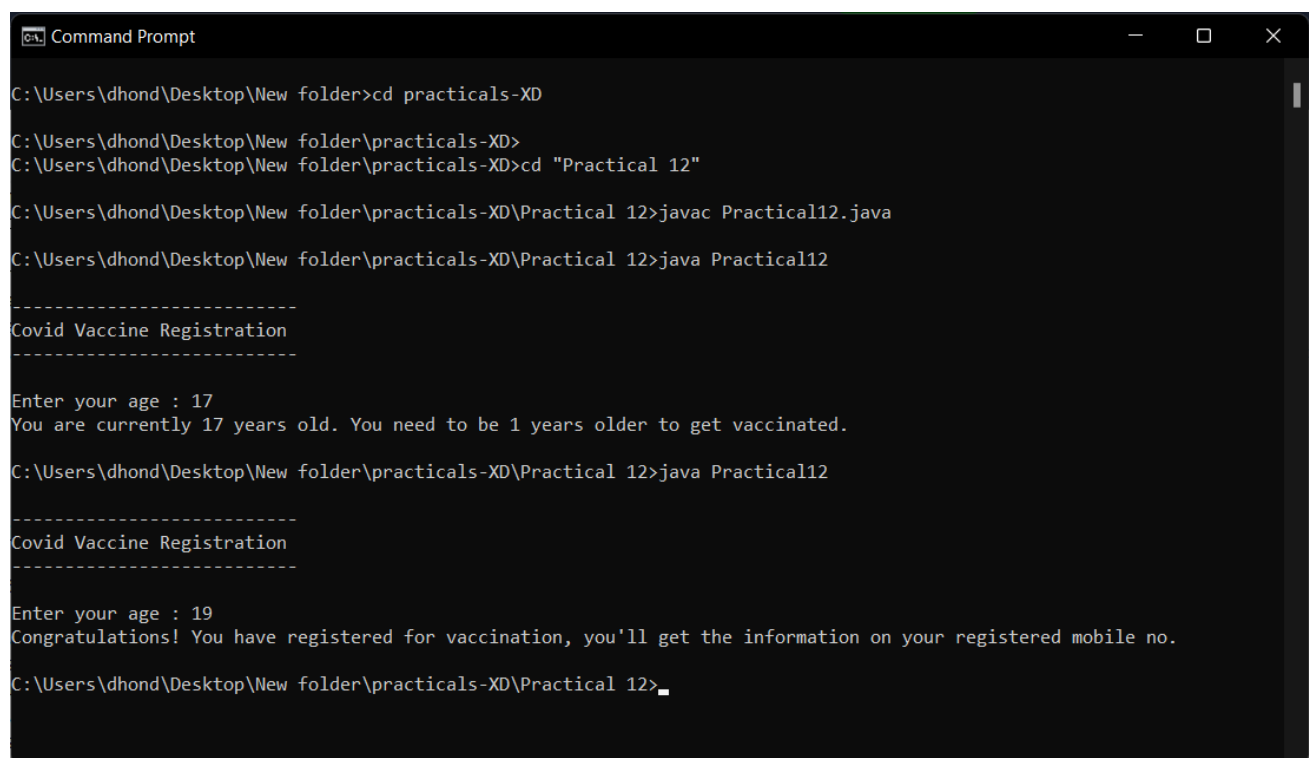
    }catch(InvalidAgeForVaccinationException e){
//        System.out.println("Exception : " + e);
    }

}

}

```

Output:



```

C:\Users\dhond\Desktop\New folder>cd practicals-XD
C:\Users\dhond\Desktop\New folder\practicals-XD>
C:\Users\dhond\Desktop\New folder\practicals-XD>cd "Practical 12"
C:\Users\dhond\Desktop\New folder\practicals-XD\Practical 12>javac Practical12.java
C:\Users\dhond\Desktop\New folder\practicals-XD\Practical 12>java Practical12

-----
Covid Vaccine Registration
-----

Enter your age : 17
You are currently 17 years old. You need to be 1 years older to get vaccinated.

C:\Users\dhond\Desktop\New folder\practicals-XD\Practical 12>java Practical12

-----
Covid Vaccine Registration
-----

Enter your age : 19
Congratulations! You have registered for vaccination, you'll get the information on your registered mobile no.

C:\Users\dhond\Desktop\New folder\practicals-XD\Practical 12>_

```