

```
//Genesis Grant, CW2 WEEK6
```

```
import java.lang.Math;  
import java.util.*;
```

```
public class Main {
```

```
    static Scanner input = new Scanner (System.in);
```

```
    public static void main(String[] args) {
```

```
        int number;
```

```
        char digit;
```

```
        try {
```

```
            System.out.println("Please enter a number and we will find absolute value and  
square root: ");
```

```
            number = input.nextInt();
```

```
            System.out.println("The square root of " + number + " is " +  
Math.sqrt(number));
```

```
            System.out.println("The absolute value of " + number + " is " +  
Math.abs(number));
```

```
            System.out.println("Please enter a letter and we will determine if it is a  
digit: ");
```

```
            //(unsure) digit = next().charAt(0);
```

```
        }
```

```
        catch (InputMismatchException imRef)
```

```
        {
```

```
            System.out.println("Invalid input, please try again!");
```

```
        }
```

```
    }
```

```
}
```