


\* long

```
System.out.println("*short");
```

```
}  
  
if(num>=-2147483648L && num<=2147483648L ){  
  
    System.out.println("*int");  
  
}  
  
if(num>=-922337203685477808L && num<= 922337203685477808L ){  
  
    System.out.println("*long");  
  
}  
  
}  
  
s.close();  
  
}  
  
}
```

Output:

 Command Prompt

```
C:\Users\admin>e:
```

```
E:\>cd javacode.java
```

```
E:\javacode.java>cd 8-10-2024
```

```
E:\javacode.java\8-10-2024>javac datatypecheck.java
```

```
E:\javacode.java\8-10-2024>java datatypecheck
```

5

-150

-150 can be fitted in:

\*short

```
*int
```

```
*long
```

150000

150000 can be fitted in:

```
*int
```

```
*long
```

150000000

150000000 can be fitted in:

```
*int
```

\*long

01000000000000000000000000000000