

# Switch Condition

```
switch (condition) {
```

```
    Case :
```

```
    Case :
```

```
}
```

```
int a=2;
```

```
switch(a) {
```

```
case 1:
```

```
    System.out.println("A");
```

```
case 2:
```

```
    System.out.println("B");
```

```
case 3:
```

```
    System.out.println("C");  
}
```

Output

↓

B

C

```
7 *****
8
9 public class Main
10 {
11     public static void main(String[] args) {
12         int a=100356;
13         switch(a){
14             case 1:
15                 System.out.println("A");
16                 break;
17             case 2:
18                 System.out.println("B");
19                 break;
20             case 3:
21                 System.out.println("C");
22                 break;
23             default:
24                 System.out.println("Cannot determine for this value");
25         }
26     }
27 }
```

input

Cannot determine for this value

# Characters

→ 'a', 'b', 'c', 'd'

JAY  
↓ ↓ ↓  
'J' 'A' 'Y'

→ Represented by single quote

# String

↳ collection of characters

Example → "apple", "ball", "Jatin"

↳ represented by double quote

"145.67" → string

"This is a string" → string

## Indexes

"apple" → 'a', 'p', 'p', 'l', 'e'  
0 1 2 3 4                      0 1 2 3 4

What is the index of e → 4

l → 3

a → 0

## Built in methods

String str = "apple";

String name = "Rahul";

String course = "Full Stack";

System.out.println(course);

↳ Full Stack.

length() → no. of characters

String str: "apple";

int length: str.length();

s.o.println(length); → 5

```
7
8
9 public class Main
10 {
11     public static void main(String[] args) {
12         String name = "Jatin ";
13         int n = name.length();
14         System.out.println(n);
15     }
16 }
```



`charAt()` → returns char

```
String name = "Jatin";
```

J	a	t	i	n
0	1	2	3	4

```
char ch = name.charAt(3);
```

```
S.o.pln(ch);
```

↓

Output  
i

# Input String

```
String str = sc.next();  
String str = sc.nextLine();
```

## Input char

```
char ch = sc.next().charAt(0);
```

Input

M

sc.next()

str = "M"

char ch  
= sc.next().charAt(0);