

Operators and Expressions

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Special Operators

- `sizeof()`
 - `printf(“%d”, sizeof(int));`

Did you try the following? What did you get?

```
printf(“%d”, sizeof(5.2));
```

Did you get 4 or 8?

Default decimal number

- By default, C programming considers decimal values as double.
- That is why you get output as 8 and not 4.
- Remember the value 5.2 used by us is literal constant. If you declare a float variable and find its size, you will get 4 as output.
- Another type of constant is called symbolic constant
`#define PI 3.14`
- Constant variable
`const int I = 10;`

Special Operators

- comma operator
 - `value = (x=5, y=7, x+y);`
 - `printf("%d", value);`

```
#include<stdio.h>
```

```
void main(){
```

```
    int value, x, y;
```

```
    value = (x=5, y=7, x+y);
```

```
    printf("%d", value);
```

```
}
```