



# Green University of Bangladesh

Department of Electrical and Electronic Engineering(EEE)

## CSE-102

### Computer Programming Laboratory

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Section	EA
Name of the Program	Get familiar with data types and operators of C
Name of the Department	EEE

**Objective:** To be familiar with different data types, Operators and expressions in C.

**Title:** Write a Program and display the value of y for given x=2 & z=4 and analyze the output for `y = x++ + ++x;`

### Code:

```
#include <stdio.h>

int main()
{
    int x=2,z=4,y;
    y=x++ + ++x;
    printf("X=%d Y=%d Z=%d",x,y,z);
    return 0;
}
```

### Output:

**X=4 Y=6 Z=4**

**Discussion & Conclusion:** This program is very important part of C and I could learnt how to display the value of y for given x=2 & z=4 and analyze the output for `y = x++ + ++x;` with successfully.

**Title:** Write a Program and display the value of y for given x=2 & z=4 and analyze the output for `y = ++x + ++x;`

### Code:

```
#include <stdio.h>

int main()
{
    int x=2,z=4,y;
    y= ++x + ++x;
    printf("X=%d Y=%d Z=%d",x,y,z);
    return 0;
}
```

### Output:

**X=4 Y=8 Z=4**

**Discussion & Conclusion:** Data types is very important part of C and I could learnt how to display the value of y for given x=2 & z=4 and analyze the output for `y = ++x + ++x;` with successfully.

**Title:** Write a Program and display the value of y for given x=2 & z=4 and analyze the output for `y = x++ + ++x + ++x;`

### Code:

```
#include <stdio.h>

int main()
{
    int x=2,z=4,y;
    y=x++ + ++x + ++x;
    printf("X=%d Y=%d Z=%d",x,y,z);
    return 0;
}
```

### Output:

**X=5 Y=11 Z=4**

**Discussion & Conclusion:** This program is very important part of C and I could learnt how to display the value of y for given x=2 & z=4 and analyze the output for `y = x++ + ++x + ++x;` with successfully.

**Title:** Write a Program and display the value of y for given x=2 & z=4 and analyze the output for `y =x>z;`

### Code:

```
#include <stdio.h>

int main()
{
    int x=2,z=4,y;
    y=x>z;
    printf("X=%d Y=%d Z=%d",x,y,z);
    return 0;
}
```

### Output:

**X=2 Y=0 Z=4**

**Discussion & Conclusion:** Data types is very important part of C and I could learnt how to display the value of y for given x=2 & z=4 and analyze the output for `y =x>z;` with successfully.

**Title:** Write a Program and display the value of y for given x=2 & z=4 and analyze the output for `y = x>z? x:z;`

### Code:

```
#include <stdio.h>

int main()
{
    int x=2,z=4,y;
    y=x>z? x:z;
    printf("X=%d Y=%d Z=%d",x,y,z);
    return 0;
}
```

### Output:

`X=2 Y=4 Z=4`

**Discussion & Conclusion:** This program is very important part of C and I could learnt how to display the value of y for given x=2 & z=4 and analyze the output for `y = x>z? x:z;` with successfully.

**Title:** Write a Program and display the value of y for given x=2 & z=4 and analyze the output for  $y = x/z$ ;

### Code:

```
#include <stdio.h>

int main()
{
    int x=2,z=4,y;
    y=x/z;
    printf("X=%d Y=%d Z=%d",x,y,z);
    return 0;
}
```

### Output:

**X=2 Y=0 Z=4**

**Discussion & Conclusion:** Data types is very important part of C and I could learnt how to display the value of y for given x=2 & z=4 and analyze the output for  $y = x/z$ ; with successfully.

**Title:** Write a Program and display the value of y for given x=2 & z=4 and analyze the output for `y = x%z;`

### Code:

```
#include <stdio.h>

int main()
{
    int x=2,z=4,y;
    y=x%z;
    printf("X=%d Y=%d Z=%d",x,y,z);
    return 0;
}
```

### Output:

**X=2 Y=2 Z=4**

**Discussion & Conclusion:** This program is very important part of C and I could learnt how to display the value of y for given x=2 & z=4 and analyze the output for `y =x%z;` with successfully.

**THE END**