

1. **WAP for pre-increment and post-increment.**

```
#include <stdio.h>
int main ()
{
    int x, y, a, b; // declare local variable
    a = 10;
    x = ++a; // It shows pre increment operator

    printf (" Pre Increment Operator");
    // Here the value of x is increased by 1.
    printf (" \n The value of x is %d.", x);

    printf (" \n The value of a is %d.", a);

    b = 20;
    y = b++; // It shows the post increment operator
    printf (" \n\n Post Increment Operator");
    printf (" \n The value of y is %d.", y);
    // get updated value of b
    printf (" \n The value of b is %d.", b);

    return 0;
}
```

2. **WAP for every bitwise operator.**

```
#include <stdio.h>
int main()
{
    // a = 5(00000101), b = 9(00001001)
    int a = 5, b = 9;

    // The result is 00000001
    printf("a = %d, b = %d\n", a, b);
    printf("a&b = %d\n", b & a);

    // The result is 00001101
    printf("a | b = %d\n", a | b);

    // The result is 00001100
    printf("a^b = %d\n", a ^ b);

    // The result is 11111010
```

```

printf("~a = %d\n", ~ a);

// The result is 00010010
printf("b<<1 = %d\n", b << 1);

// The result is 00000100
printf("b>>1 = %d\n", b >> 1);

return 0;

}

```

How output is right? Please explain

### 3. WAP a program to convert Centigrade to Farenheit.

```

#include <stdio.h>

int main()
{
    float centigrade, Fahrenheit;

    printf("Enter the centigrade value: \n");

    scanf("%f", &centigrade);

    fahrenheit= (centigrade*9/5)+32;

    printf("%.2f Centigrade= %.2f Farenheit\n", centigrade, fahrenheit);

    return 0;

}

```

### 4. WAP to write if statement for odd and even and from conditional operator too.

```

#include<stdio.h>

int main(){
    int number;

    printf("Enter a number:");

    scanf("%d",&number);

    if(number%2==0){

        printf("%d is even number",number);

    }
}

```

```
return 0;
```

```
}
```

Conditional operator:

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

```
int main() {
```

```
    int num;
```

```
    printf("enter num");
```

```
    scanf("%d", &num);
```

```
    (num % 2 == 0)? printf("The given number is even") : printf("The given number is odd");
```

```
    return 0;
```

```
}
```

#### **5. Program to find the largest number of the three.**

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

```
int main()
```

```
{
```

```
    int a, b, c;
```

```
    printf("Enter three numbers?");
```

```
    scanf("%d %d %d",&a,&b,&c);
```

```
    if(a>b && a>c)
```

```
    {
```

```
        printf("%d is largest",a);
```

```
    }
```

```
    if(b>a && b > c)
```

```
    {
```

```
        printf("%d is largest",b);
```

```
}  
if(c>a && c>b)  
{  
    printf("%d is largest",c);  
}  
if(a == b && a == c)  
{  
    printf("All are equal");  
}  
}
```