

Assignment 1 :

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

```
void main(){
```

```
    int priceBeforeDiscount=15000;
```

```
    int priceAfterDiscount;
```

```
    int discount;
```

```
    if(priceBeforeDiscount>=10000){
```

```
        // discount = 15/100*100;
```

```
        discount=15;
```

```
        priceAfterDiscount=priceBeforeDiscount-(priceBeforeDiscount*discount/100);
```

```
        printf("Discount is %d%%\n",discount);
```

```
        printf("Price after discount is : %d",priceAfterDiscount);
```

```
    }
```

```
    else if(priceBeforeDiscount>=7000 && priceBeforeDiscount<10000){
```

```
        discount = 10;
```

```
        priceAfterDiscount=priceBeforeDiscount-(priceBeforeDiscount*discount/100);
```

```
        printf("Discount is %d%%\n",discount);
```

```
        printf("Price after discount is : %d",priceAfterDiscount);
```

```
    }
```

```
    else if(priceBeforeDiscount>=5000 && priceBeforeDiscount<7000){
```

```
        discount = 5;
```

```
        priceAfterDiscount=priceBeforeDiscount-(priceBeforeDiscount*discount/100);
```

```

        printf("Discount is %d%%\n",discount);

        printf("Price after discount is : %d",priceAfterDiscount);
    }
    else{

        discount= 0;

        priceAfterDiscount=priceBeforeDiscount-(priceBeforeDiscount*discount/100);

        printf("Discount is %d%%\n",discount);

        printf("Price after discount is : %d",priceAfterDiscount);

    }
}

```

Assignment 2 :

```

#include<stdio.h>

void main(){

    int a=10,b=20,c=30;

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

        printf("a is greater");

    }

    else if (b>c){

        printf("b is greater");

    }
}

```

```
    else{  
        printf("c is greater");  
    }  
}
```

Assignment 3 :

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

```
int main() {  
    int num1 = 10;  
    int num2 = 20;  
    char ch='%';  
    int res;  
  
    if (ch == '+') {  
        res = num1 + num2;  
        printf("Result = %d\n", res);  
    }  
    else if (ch == '-') {  
        res = num1 - num2;
```

```
        printf("Result = %d\n", res);
    }
    else if (ch == '/') {
        if (num2 != 0) {
            res = num1 / num2;
            printf("Result = %d\n", res);
        } else {
            printf("Division by zero error\n");
        }
    }
    else if (ch == '*') {
        res = num1 * num2;
        printf("Result = %d\n", res);
    }
    else if (ch == '%') {
        if (num2 != 0) {
            res = num1 % num2;
            printf("Result = %d\n", res);
        } else {
            printf("Division by zero error\n");
        }
    }
    else {
        printf("Wrong Input\n");
    }
}
```

```
    return 0;
}
```

Assignment 4 :

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

```
int main() {
    int num;
    scanf("%d", &num);

    if (num == 1) {
        int var;
        scanf("%d", &var);

        if (var % 2 == 0) {
            printf("Even\n");
        } else {
            printf("Odd\n");
        }
    }
}
```

```
else if (num == 2) {  
    int basicSal;  
    scanf("%d", &basicSal);  
  
    float da, ta, hra, sal;  
  
    if (basicSal >= 5000) {  
        da = basicSal * 0.1f;  
        ta = basicSal * 0.2f;  
        hra = basicSal * 0.25f;  
    }  
    else {  
        da = basicSal * 0.1f;  
        ta = basicSal * 0.2f;  
        hra = basicSal * 0.25f;  
    }  
  
    sal = basicSal + da + ta + hra;  
    printf("Salary = %.2f\n", sal);  
}  
  
return 0;  
}
```

Assignment 5 :

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

```
int main() {
```

```
    int price=600;
```

```
    char ch='Y';
```

```
    int discount;
```

```
    int priceAfterDiscount;
```

```
    if (ch == 'Y') {
```

```
        if (price > 500) {
```

```
            discount = 20;
```

```
        } else {
```

```
            discount = 10;
```

```
        }
```

```
} else if (ch == 'N') {  
    if (price > 600) {  
        discount = 15;  
    } else {  
        discount = 0;  
    }  
} else {  
    printf("Invalid input for student status.\n");  
    return 1;  
}  
  
priceAfterDiscount = price - (price * discount / 100);  
  
printf("Price after the discount is: %d\n", priceAfterDiscount);  
  
return 0;  
}
```