

```
#include<stdio.h>
int main()
{
    int vehicleNumber;
    printf("Enter the vehicle number(up to 4 digits):");
    scanf("%d",&vehicleNumber);
    if(vehicleNumber<1000||vehicleNumber>9999)
    {
        printf("Invalid vehicle Number.Please enter a number
              between1000and9999.\n");
    }
    // check for free toll
    if(vehicleNumber%7==0 && vehicleNumber%3==0)
    {
        printf("Free of cost\n");
    }
    //check for half fee
    else if(vehicleNumber %2==0 && vehicleNumber%8==0)
    {
        printf("Pay half of the fee\n");
    }
    //otherwise,pay full fee
    else
```

n.c



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Run

Output

```
#include<stdio.h>
int main()
{
    float weight,height,bmi;
    printf("Enter your weight in kilograms:");
    scanf("%f",&weight);
    printf("Enter your height in meters:");
    scanf("%f",&height);
    bmi=weight/(height*height);
    printf("Your BMIis:%2f\n",bmi);
    return 0;
}
```

Enter your weight in kilograms:5.0
Enter your height in meters:2.0
Your BMIis:1.250000

==== Code Execution Successful ===

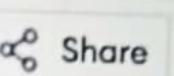
```
int main()
{
    char letter1='L';
    char letter2='H';
    char digit='6';
    char special_char='$';
    printf("letter1=%c\n",letter1);
    printf("letter2=%c\n",letter2);
    printf("digit=%c\n",digit);
    printf("special_char%c\n",special_char);
    printf("ASCII value of letter1=%d\n",letter1);
    printf("ASCII value of letter2=%d\n", letter2);
    printf("ASCII value of digit=%d\n",digit);
    printf("ASCII value of special_char=%d\n",special_char);
    return 0 ;
}
```

letter1=L
letter2=H
digit=6
special_char\$
ASCII value of letter1=76
ASCII value of letter2=72
ASCII value of digit=54
ASCII value of special_char=36

==== Code Execution Successful ===

```
#include<stdio.h>
int main()
{
    int num1,num2,num3;
    printf("The largest of three numbers:");
    scanf("%d %d %d",&num1,&num2,&num3);
    if(num1>=num2&&num1>=num3)
    {
        printf("The largest numbers is:%d\n",num1);
    }
    else if(num2>=num1&&num2>=num3)
    {
        printf("The largest number is :%d\n",num2);
    }
    else
    {
        printf("The largest numbers is :%d\n",num3);
    }
    return 0;
}
```

The largest of three numbers:5
6
7
The largest numbers is :7
==== Code Execution Successful ===



Run

Output

```
#include<stdio.h>
int main()
{
    int num1,num2;
    printf("Enter two numbers:");
    scanf("%d%d",&num1,&num2);
    if(num1>num2)
    {
        printf("The maximum numbers is:%d\n",num1);
    }
    else
    {
        printf("The maximum numbers is:%d\n",num2);
    }
    return 0;
}
```

Enter two numbers:2
3

The maximum numbers is:3

==== Code Execution Successful

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

```
int main()
```

```
    int num;
```

```
    printf("Enter a number:");
```

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

```
    if(num>0)
```

```
{
```

```
        printf("The number is postive.\n");
```

```
}
```

```
    else if(num<0)
```

```
{
```

```
        printf("The number is negative.\n");
```

```
}
```

```
    else
```

```
{
```

```
        printf("The number is zero.\n");
```

```
}
```

```
    return 0;
```

```
Enter a number:35
```

```
The number is postive.
```

```
==== Code Execution Successful ===
```

```
1 #include<stdio.h>
2 int main()
3 {
4     int age;
5     char iscitizen;
6     printf("Enter your age:");
7     scanf("%d",&age);
8     printf("Are you a citizen?(y/n)");
9     scanf(" %c",&iscitizen);
10    if(age>=18 && (iscitizen =='y'|| iscitizen=='Y'))
11
12        printf("You are eligible to vote.\n");
13
14    else
15
16        printf("You are not eligible to vote.\n" );
17
18 return 0;
19 }
```

Enter your age:12
Are you a citizen?(y/n)y
You are not eligible to vote.

==== Code Execution Successful ===

```
#include<stdio.h>
int main()
{
    float percentage;
    printf("Enter the students percentage score:");
    scanf("%f",&percentage);
    if(percentage>=90)
    {
        printf("Grade:A\n");
    }
    else if(percentage>=80)
    {
        printf("Grade:B\n");
    }
    else if(percentage>=70)
    {
        printf("Grade:C\n");
    }
    else if(percentage>=60)
    {
        printf("Grade:D\n");
    }
    else if(percentage<=50)
    {
        printf("Grade:F\n");
    }
}
```

Enter the students percentage score:89
Grade:B
==== Code Execution Successful ===