



main.c

Output



```
1 #include<stdio.h>
2 int main()
3 {
4     int number;
5     printf("enter the number:");
6     scanf("%d",&number);
7     if(number<10)
8     {
9         // less than 10
10        printf("one digit");
11    }
12    else if(number>=10 && number
13        <100) // greater than or
14        equal to 10 but less than
15        100
16    {
17        printf("two digit ");
18    }
19    else
20    {
21        // otherwise
22        printf("integer");
23    }
24    return 0;
25 }
```

Run



main.c

Output



enter the number:786

integer

==== Code Execution Successful ===|



main.c

Output



```
1 #include<stdio.h>
2 int main()
3 {
4     int year;
5     printf("enter the year :");
6     scanf("%d",&year);
7     if(year%4==0)
8     {
9         printf("leap year");
10    }
11    else
12    {
13        printf("not leap year");
14    }
15    return 0;
16 }
```

Run



main.c

Output



enter the year :2025

not leap year

==== Code Execution Successful ===|



main.c

Output



```
1 #include <stdio.h>
2 int main()
3 {
4     char ch;
5     printf("Enter any character:");
6     scanf("%c", &ch);
7     // Check for alphabet
8     if ((ch >= 'A' && ch <= 'Z') ||
9         (ch >= 'a' && ch <= 'z')) {
10         printf("Alphabet\n");
11     }
12     // Check for digit
13     else if (ch >= '0' && ch <= '9')
14         )
15     {
16         printf("Digit\n");
17     }
18     // Otherwise, it's a special
19     // character
20     else
21     {
22         printf("Special
23             character\n");
24     }
25 }
```

return 0;

Run



main.c

Output



Enter any character:@#£

Special character

==== Code Execution Successful ===|



main.c

Output



```
1 #include<stdio.h>
2 int main ()
3 {
4     char ch;
5     printf("enter any character: "
6             );
7     scanf("%c",&ch);
8     //check an alphabet is a vowel
9     if(ch=='A' || ch=='E' || ch
10        == 'I' || ch=='O' || ch=='U' || ch
11        == 'a' || ch=='e' || ch=='i' || ch
12        == 'o' || ch=='u')
13     {
14         printf("vowel");
15     }
16     else
17     //alphabet is a consonant
18     {
19         printf("consonant");
20     }
21     return 0;
```

Run



main.c

Output



enter any character: s

consonant

==== Code Execution Successful ===|



main.c

Output



```
1 #include <stdio.h>
2 int main(){
3     int day;
4     printf("Enter day number(1-7):"
5             );
6     scanf("%d", &day);
7     if (day == 1)
8         printf("Sunday\n");
9     else if (day == 2)
10        printf("Monday\n");
11    else if (day == 3)
12        printf("Tuesday\n");
13    else if (day == 4)
14        printf("Wednesday\n");
15    else if (day == 5)
16        printf("Thursday\n");
17    else if (day == 6)
18        printf("Friday\n");
19    else if (day == 7)
20        printf("Saturday\n");
21    else
22        printf("Invalid day
23             number\n");
24 }
```

Run



main.c

Output



```
Enter day number(1-7):2
```

```
Monday
```

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