



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      {          // less than 10
9          printf("one digit");
10     }
11     else if(number>=10 && number
           <100)    // greater than or
           equal to 10 but less than
           100
12     {
13         printf("two digit ");
14     }
15     else
16     {    //othe wise
17         printf("integer");
18     }
19     return 0;
20 }
```

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') ||
          (ch >= 'a' && ch <= 'z')) {
9          printf("Alphabet\n");
10     }
11     // Check for digit
12     else if (ch >= '0' && ch <= '9'
13             )
14     {
15         printf("Digit\n");
16     }
17     // Otherwise, it's a special
18     // character
19     else
20     {
21         printf("Special
22             character\n");
23     }
24     return 0;
25 }
```

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          }
```

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 ===