

main.c

Output



```
1 #include <stdio.h>
2
3 int main() {
4     int num;
5     printf("Enter a number: ");
6     scanf("%d", &num);
7
8     if (num < 10) {
9         printf("the digit\n");
10    } else if (num >= 10 && num <= 100
11        ) {
12            printf("two digit\n");
13    } else {
14        printf("integer\n");
15    }
16    return 0;
17 }
18
```

Run

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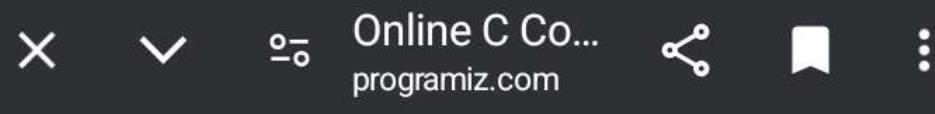
main.c

Output



```
1 #include <stdio.h>
2
3 int main() {
4     int year;
5     printf("Enter a year: ");
6     scanf("%d", &year);
7
8     if ((year % 4 == 0 && year % 100 != 0) || (year % 400 == 0)) {
9         printf("%d is a leap year.\n",
10            year);
11    } else {
12        printf("%d is not a leap year
13            .\n", year);
14    }
15 }
```

Run



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Output



```
1 #include <stdio.h>
2
3 int main() {
4     char ch;
5     printf("Enter a character: ");
6     scanf(" %c", &ch);
7
8     if ((ch >= 'a' && ch <= 'z') ||
9         (ch >= 'A' && ch <= 'Z')) {
10        printf("The character is an
11            alphabet.\n");
12    } else if (ch >= '0' && ch <= '9')
13        {
14            printf("The character is a
15                digit.\n");
16        }
17    }
```

Run

program to check vowel or consonant

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

```
int main() {
```

```
    char c;
```

```
    int lowercase_vowel, uppercase_vowel;
```

```
    printf ("enter an alphabet :");
```

```
    scanf ("%c", &c);
```

```
    lowercase_vowel = (c == 'a' || c == 'e' || c == 'i' || c == 'o' ||
```

```
                    c == 'u');
```

```
    uppercase_vowel = (c == 'A' || c == 'E' || c == 'I' || c == 'O' ||
```

```
                    c == 'U');
```

```
    if (lowercase_vowel || uppercase_vowel)
```

```
        printf ("%c is a vowel", c);
```

```
    else
```

```
        printf ("%c is a consonant", c);
```

```
    return 0;
```

To read any name in word format.

```
#include <stdio.h>

int main() {
    int day_num;
    printf("enter a day number (1-7):");
    scanf("%d", &day_num);
    switch (day_num) {
        case 1:
            printf("Sunday\n");
            break;
        case 2:
            printf("Monday\n");
            break;
        case 3:
            printf("Tuesday\n");
            break;
        case 4:
            printf("Wednesday\n");
            break;
        case 5:
            printf("Thursday\n");
            break;
        case 6:
            printf("Friday\n");
            break;
        case 7:
            printf("Saturday\n");
            break;
        default:
            printf("Invalid day number\n");
            break;
    }
    return 0;
}
```