

WAP to read a character and check whether it is capital letter or lower case letter or digit or special character.

PROGRAM:-

```
#include <stdio.h>
#include <ctype.h>
int main()
{
    char ch;
    printf("Enter a character: ");
    scanf(" %c", &ch);
    if (isupper(ch)) printf("Capital letter\n");
    else if (islower(ch)) printf("Lower-case letter\n");
    else if (isdigit(ch)) printf("Digit\n");
    else printf("Special character\n");
}
```

//Output 1 -

```
C:\Users\HP\Desktop\vishnu\10.exe
Enter a character: G
Capital letter
-----
Process exited after 14.7 s
```

//Output 2 -

```
C:\Users\HP\Desktop\vishnu\10.exe
Enter a character: s
Lower-case letter
-----
Process exited after 33.07 s
Press any key to continue .
```

//Output 3 -

```
C:\Users\HP\Desktop\vishnu\10.exe
Enter a character: 7
Digit
-----
Process exited after 38.87 s
Press any key to continue .
```

//Output 4 -

```
Select C:\Users\HP\Desktop\vishnu\10.exe
Enter a character: $
Special character
-----
Process exited after 5.376 s
Press any key to continue .
```

WAP to read a character and check whether it is vowel or consonant.

PROGRAM:-