

LAB-1

14. PROGRAM TO CHECK WHETHER A GIVEN CHARACTER IS CAPITAL, LETTER, SMALL CASE LETTER, A DIGIT OR A SPECIAL SYMBOL.

```
#include<stdio.h>

int main()
{ char a;

  printf("enter a characer=");
  scanf("%c",&a);
  if (a>='A' && a<= 'Z')
  {
    printf("%c is a capital letter");
  }
  else if (a>='a' && a<='z')
  {
    printf("%c is a small letter");
  }
  else if (a>='0' && a<='9')
  {
    printf("%c is a digit");
  }
  else
  {
    printf("%c is a special character");
  }
}
```

C 09.cC 11.cC 10.cC 12.cC 13.cC 14.c

clg > C 14.c > main()
1 #include<stdio.h>
2 int main()
3
4 {
5 char a;
6
7 printf("enter a characer=");
8 scanf("%c",&a);
9
10 if (a>='A' && a<= 'Z')
11 {
12 printf("%c is a capital letter");
13 }
14 else if (a>='a' && a<='z')
15 {
16 printf("%c is a small letter");
17 }
18 else if (a>='0' && a<='9')
19 {
20 printf("%c is a digit");
21 }
22 else
23 {
24 printf("%c is a special character");
25 }
26
27 }

TERMINAL
powershell
PS C:\Users\Sumit\Desktop\vscode> cd clg
PS C:\Users\Sumit\Desktop\vscode\clg> .\a.exe
enter a characer=A
is a capital letter
PS C:\Users\Sumit\Desktop\vscode\clg> .\a.exe
enter a characer=a
is a small letter
PS C:\Users\Sumit\Desktop\vscode\clg> .\a.exe
enter a characer=5
is a digit
PS C:\Users\Sumit\Desktop\vscode\clg> .\a.exe
enter a characer=#
is a special character
PS C:\Users\Sumit\Desktop\vscode\clg>