```c
=> #include <stdio.h>
int main()
{
int num;
Printf("Enter a number:");
Scanf("%d", &num);
if (num<10)
{
Printf("one digit\n");
}
else if (num >=10 && num<100)
{
Printf("Two digits\n");
}
else {
Printf("Integer\n");
}
return 0;
}
```

Output :-

Enter arnumber: 4
one digit.

```c
=> #include<stdio.h>
   int main ()
   {
   int num;
   Printf ("Enter a number:");
   Scanf ("%d", &num);
   if (num < 10)
   {
   Printf ("one digit\n");
   }
   else if (num >=10 && num <100)
   {
   Printf ("Two digits \n");
   }
   else {
   Printf ("Integer \n");
   }
   return 0;
   }
```

Output :

Enter a number : 45
Two digits.

```c
=> #include <stdio.h>
   int main()
   {
   int year;
   Printf("Enter a year:");
   Scanf("%d", & year);
   if (year % 4 == 0 && year % 100 != 0)
   Printf("%d is leap year\n", year);
   }
   else {
   Printf("%d is not a leap year\n", year);
   }
   return 0;
   }
```

Out put :

Enter a year : 2025

2025 is not a leap year.

```c
=> #include <stdio.h>
int main()
{
char ch;
Printf("Enter any character:");
Scanf("%.c", & ch);
if[(ch >= 'a' && ch == 'z')
Printf("It is an alphabet \n");
}
else if (ch >= '0' && ch <= '9') {
Printf("It is a digit \n");
}
else {
Printf("It is a special character \n");
}
return 0;
}
```

Output:

Enter any character: a
It is an alphabet
Enter any character: @
It is a special character
Enter any character: 5
It is a digit

```c
4) => #include <stdio.h>
    int main() {
    char ch;
    Printf("enter any alphabet :");
    Scanf("%c", &ch);
    if((ch>='a' && ch<='z') || (ch>='A' && ch<='z'))
    {
        if(ch=='a' || ch=='e' || ch=='i' || ch=='o' || ch=='u' ||
        ch=='A' || ch=='E' || ch=='i' || ch=='o' || ch=='U') {
        Printf("it is a vowel \n");
        }
        else {
        Printf("it is a constant \n");
        }
    }
    else {
    Printf("it is not an alphabet \n");
    }
    return 0;
    }
```

Output :

Enter any alphabet :s
It is a constant

```c
5)=>#include <stdio.h>
int main() {
int day;
printf("Enter day number (1-7): ");
scanf("%d", &day);
if (day == 1) {
printf("sunday \n");
}
else if (day == 2) {
printf("Monday\n");
}
else if (day == 3) {
printf("Tuesday\n");
}
else if (day == 4) {
printf("Wednesday\n");
}
else if (day == 5) {
printf("thursday\n");
}
else if (day == 6) {
printf("friday\n");
}
else if (day == 7) {
printf("saturday\n");
}
else {
printf("Invalid day number! Please enter between
1 and 7.\n");
}
return 0;
}
```

out put

Enter day number (1-7): 3
   Tuesday.