

```
i)  
># include < stdio.h>  
int main()  
{  
    int n;  
    printf("Enter a value:");  
    scanf("%d", &n);  
  
    if (n < 10)  
    {  
        printf("one digit\n");  
    }  
    else if (n >= 10 & n < 100)  
    {  
        printf("two digits\n");  
    }  
    else  
    {  
        printf("integer\n");  
    }  
    return 0;  
}
```

out put.

Enter a number: 4

one digit.

```
ii) # include < stdio.h>  
int main()  
{  
    int n;  
    printf("Enter a number:");  
    scanf("%d", &n);
```

```
1. if (num <= 0)
2. if (n < 10) {
3. printf ("one digit \n");
4. }
5. else if (num >= 10 & num < 100) {
6. printf ("two digits \n");
7. }
8. printf ("integer \n");
9. return 0;
}
```

outPut :-
enter a number: 45
two digits.

g) #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 if

```
printf ("%d is not a leap year \n", year);
}
```

```
return 0;
}
```

outPut :-

Enter a year : 2025
2025 is not a leap year.

```
3. #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')
    {
    }
    else
        printf("it is a special character\n");
    return 0;
}
```

```
out put:
enter any character:a
if is an alphabet.
enter any any character:@
if is a special character.
enter any character:5
if is a digit.
```

