

```

⇒ #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: 4  
one digit

```

=> #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");
    }
    return 0; else {
        printf("integer\n");
    }
    return 0;
}

```

Out put

Enter a number : 45  
Two digits

```

#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;
}

```



Output:

Enter a year: 2025

2025 is not a leap year.

)=>

```
#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

```
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 consonant\n");
```

```
    }
```

```
    }
```

```
    } else {
```

```
        printf("It is not an Alphabet\n");
```

```
    }
```

```
    return 0;
```

```
}
```

Out put

Enter any alphabet: s

It is a constant



```

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 {
        printf ("Invalid day number ! please enter  
between 1 and 7.\n");
    }
    return 0;
}

```

Output

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