



“चला तर, Coding
शिकू आपल्या भाषेत!”



Marathi Coding Shala

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➤ Flow Control Statements

- Example code:

```
void main() {  
    S1;  
    S2;  
    S3;  
    S4;  
}
```

- **Default flow:** Sequential
- **Looping:** Executes multiple times (e.g., $S1 \rightarrow S2 \rightarrow S3$ in a loop)



Control Flow Statements

1. Selection Statements:

- if
- if-else
- if-else if- else
- if-else if
- Switch Statement**

2. Iterative Statements (Repetition):

- for
- while
- do-while

3. Jump Statements:

- continue
- break
- exit
- return

If-Else Statement

structure

```
if (expression) {  
    // Code block when the expression is true  
}  
else {  
    // Alternate block of code  
}
```

```
if (chai_garam_hai) {  
    // Chai garam hai, toh piyo.  
} else {  
    // Chai thandi hai, toh usse  
    garam karo.  
}
```



If-Else Statement

- **If:** Agar condition true hai (sahi hai),
toh yeh kaam karo.
- **Else:** Agar condition galat hai (false
hai), toh doosra kaam karo.

Detailed Workflow

```
S1;  
S2;  
if (expression/condition) {  
    S3;  
    S4;  
}  
else {  
    S5;  
    S6;  
}  
S7;  
S8;
```

Flow Sequence:

**1.If the condition is True: S1 → S2 → S3 → S4
→ S7 → S8**

**2.If the condition is False: S1 → S2 → S5 → S6
→ S7 → S8**

Programs:

- 1. Even or Odd Number Checker**
- 2. Simple ATM Withdrawal System**
- 3. Leap Year Checker**

Logical operator ka use kaha hai?

1. Leap year checker

- Start.
- Declare year.
- Prompt and read the user's input for the year.
- Set isLeapYear to 1 if:
 - year is divisible by 4, and
 - (year is not divisible by 100 or is divisible by 400).
- Print "Yes" if isLeapYear is 1, otherwise print "No."
- End.

year \%
 $4 == 0$

$\text{year \% } 100 != 0 \text{ or } \text{year \% } 400 == 0$

```
#include <stdio.h>

int main() {
    double balance = 5000.00; // Initial balance
    double amount;

    printf("Enter the amount to withdraw: ₹");
    scanf("%lf", &amount);

    // Check if the amount can be withdrawn
    if (amount > balance) {
        printf("Insufficient balance! Transaction failed.\n");
    }
    if (amount <= balance) {
        balance -= amount;
        printf("Transaction successful! Remaining balance: ₹%.2f\n", balance);
    }

    printf("Thank you for using the ATM!\n");

    return 0;
}
```




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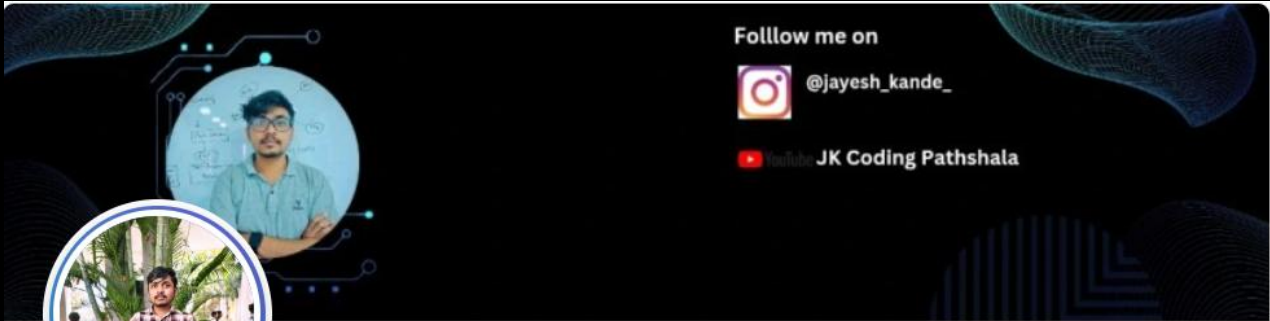
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