

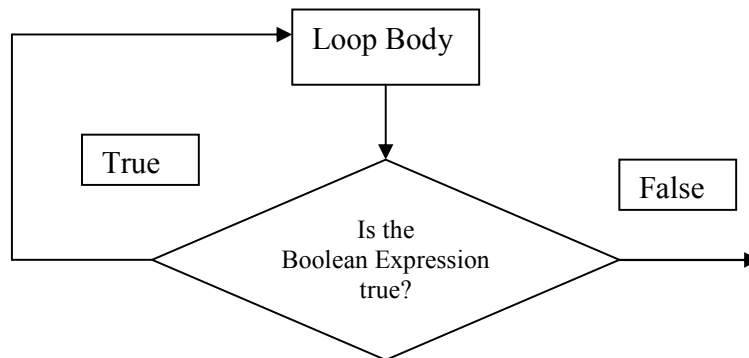
Chapter 6 Looping (do-while)

In the **while** loop, we check the condition before doing the loop body.
Sometimes, it is better to do the loop body before checking the condition for repetition.

do-while:

```
do {
    statement1;
    statement2;
    ...
    statementN;
} while (Boolean expression);
```

Flow chart of do-while loop:



Example:

Change of base:

```
int main(){
    int n=23,bin=0;

    do{
        bin=10*bin+n%2;
        n=n/2;
    } while (n!=0);
    printf("%d\n",bin);
    return 0;
}
```

Enter Password:

```
int main(){
    int n;
    do{
        printf("Password:");
        scanf("%d",&n);
        if (n!=1234) printf("Wrong.\n");
    } while (n!=1234);
    printf("Right Password.\n");
    return 0;
}
```

Your First Game:

Guess_Number.cpp (in Examples/game/)

End of Chapter