Shraddhesh-08

Detail Notes

FLAG VARIABAL



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Q. WHAT IS A FLAG VARIABLE?

A flag variable is a variable that holds true or false value. It is used to indicate whether a certain condition is met or not in a program.

It works like a signal to show if something happened.

Example:

```
boolean flag = false;
if (a == b) {
   flag = true;
}
SHRIDDHESH PEDNEKAR
```

Here, the flag shows whether a and b are equal or not.

Q. WHY DO WE USE FLAG VARIABLES?

Sometimes, when we use if-else inside a loop, both blocks keep running in every iteration — this can give wrong or unpredictable results.

In such cases, we use a flag variable to handle the logic correctly.

simple words:

A flag variable is used to mark when a certain condition becomes true inside a loop, and then decide the result after the loop.

Short Summary:

Flag variable → holds true/false value. Used for → checking if a condition happened inside a loop. Benefit → gives clear and correct output.

Syntax of Flag

Example:

Output

```
D:\SHRADDHESH-08>javac Demo.java

D:\SHRADDHESH-08>java Demo
Enter a number: 5
5 is a Prime Number

D:\SHRADDHESH-08>
```