TERNARY OPERATOR AND IF-ELSE STATEMENT

PROBLEM GIVEN:

Extend your previous program and implement the ternary operator and if-else. Choose your own conditions for the given problem.

ALGORITHM:

Step 1: Start
Step 2: Read vname, vcost, vtype, vcolor, nov, bookp, cname and bookid.
Step 3: Print vname, vcost, vtype and vcolor.
Step 4: if (nov > 0)
               Print number of vehicles available.
         else
               Print ("Vehicle not available")
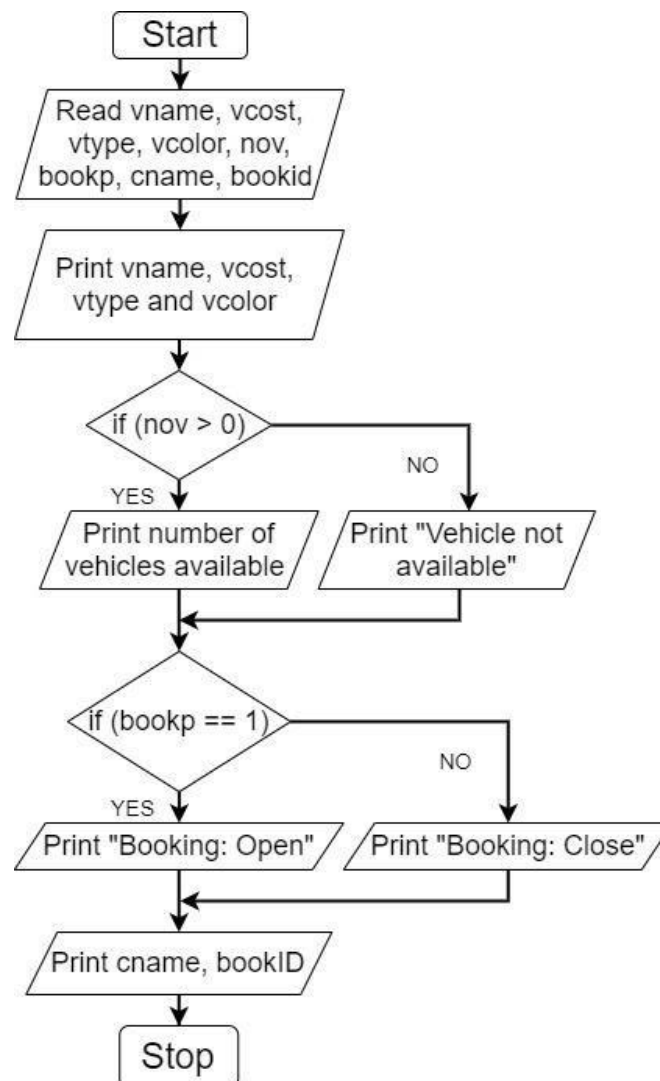
Step 5: if (bookp == 1)
               Print ("Booking: Open")
         else
               Print ("Booking: Close")
Step 6: Print cname and bookid.
Step 7: Stop

FLOWCHART:

PROGRAM:

```c
#include <stdio.h>

void main() {
    char vname[20];
    float vcost;
    char vtype[10];
    char
    vcolor[10]; int
    nov;
    int bookp;
    char cname[20];
    int bookid;

    printf("Enter name of the vehicle: ");
    scanf("%s", &vname);
    printf("Enter cost of the vehicle: ");
    scanf("%f", &vcost);
    printf("Enter variant of the vehicle: ");
    scanf("%s", &vtype);
    printf("Enter colour of the vehicle: ");
    scanf("%s", &vcolor);
    printf("Enter number of vehicles available:
    "); scanf("%d", &nov);
    printf("Enter booking period(open-1, closed-0): ");
    scanf("%d", &bookp);
    printf("Enter name of the customer: ");
    scanf("%s", &cname);
    printf("Enter booking ID:
    "); scanf("%d", &bookid);

    printf("\n----------DETAILS ------------\n");
    printf("Name of the vehicle: %s\n",
    vname); printf("Cost: %f\n", vcost);
    printf("Variant: %s\n", vtype);
    printf("Colour: %s\n", vcolor);

    (nov > 0) ? printf("No of vehicles available: %d\n", nov)
        : printf("Vehicle not available\n");

    if (bookp == 1) {
        printf("Booking:
        Open\n");
    }
    else {
        printf("Booking: Close\n");
    }

    printf("Name of the customer: %s\n", cname);
    printf("Booking ID: %d\n", bookid);
}
```

OUTPUT:

```
Microsoft Visual Studio Debug Console                    —    □    ×

Enter name of the vehicle: Innova
Enter cost of the vehicle: 1265489.5
Enter variant of the vehicle: MUV
Enter colour of the vehicle: White
Enter number of vehicles available: 59
Enter booking period(open-1, closed-0): 0
Enter name of the customer: Ashvath
Enter booking ID: 5435568

----------DETAILS----------
Name of the vehicle: Innova
Cost: 1265489.500000
Variant: MUV
Colour: White
No of vehicles available: 59
Booking: Close
Name of the customer: Ashvath
Booking ID: 5435568

C:\Users\ashva\source\repos\Experiment1.5\Debug\Experiment1.5.ex
e (process 25148) exited with code 0.
To automatically close the console when debugging stops, enable
Tools->Options->Debugging->Automatically close the console when
debugging stops.
Press any key to close this window . . .
```