

Project name: Vehicle Management System

Code:

```
#include <stdio.h>

int vehicles[3] = {0}; // Index 0 for Bike, 1 for Rickshaw, 2 for Car
int totalAmount = 0;
int prices[3] = {20, 30, 50}; // Initial prices for Bike, Rickshaw, Car

void setPrices() {
    printf("Enter the price for a Bike: $");
    scanf("%d", &prices[0]);

    printf("Enter the price for a Rickshaw: $");
    scanf("%d", &prices[1]);

    printf("Enter the price for a Car: $");
    scanf("%d", &prices[2]);

    printf("Prices updated successfully.\n");
}

void addVehicle(int type) {
    int price;

    if (type >= 1 && type <= 3) {
        price = prices[type - 1]; // Adjust the index
        vehicles[type - 1]++; // Adjust the index
    }
    else {
        printf("Invalid vehicle type. Please try again.\n");
        return;
    }

    totalAmount += price;
}

void displayTotalRecords() {
    printf("\n\t\t\t\t\t TOTAL RECORD\n");
    printf("\t\t\t\t\t =====\n");
    printf("\t\t\t\t\t Total Bike:\t\t%d\n", vehicles[0]);
    printf("\t\t\t\t\t Total Rickshaw:\t\t%d\n", vehicles[1]);
```

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printf("\t\t\t Total Car:\t\t%d\n", vehicles[2]);
printf("\t\t\t =====\n");
printf("\t\t\t Total Vehicle:\t\t%d\n", vehicles[0] + vehicles[1] + vehicles[2]);
printf("\t\t\t Total Amount:\t\t%d\n", totalAmount);
}

```

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void deleteRecords() {
    for (int i = 0; i < 3; i++) {
        vehicles[i] = 0;
    }
    totalAmount = 0;
    printf("\t\t\t DELETE RECORD\n");
    printf("\t\t\t =====\n");
}

```

```

int main() {
    int choice;

    while (1) {
        printf("-----\n");
        printf("1 for Bike\n");
        printf("2 for Rickshaw\n");
        printf("3 for Car\n");
        printf("4 for Set Prices\n");
        printf("5 for Total Record\n");
        printf("6 for Delete Record\n");
        printf("7 to Exit\n");
        printf("-----\n");

```

```

        printf("Enter your choice: ");
        scanf("%d", &choice);

```

```

        switch (choice) {
            case 1:
            case 2:
            case 3:
                addVehicle(choice);
                break;

            case 4:
                setPrices();
                break;

            case 5:
                displayTotalRecords();
                break;

            case 6:
                deleteRecords();

```

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        displayTotalRecords();
        break;

    case 7:
        printf("Exiting the program. Have a great day!\n");
        return 0;

    default:
        printf("\t\t\t*****\n");
        printf("\t\t\tInvalid Number\n");
        printf("\t\t\tPlease try again\n");
        printf("\t\t\t*****\n\n");
        break;
    }
}

return 0;
}

```

output:

```

-----
1 for Bike
2 for Rickshaw
3 for Car
4 for Set Prices
5 for Total Record
6 for Delete Record
7 to Exit
-----
Enter your choice:

```