

Problem 1

```
#include <stdio.h>
#include <string.h>
int check_insurance(int age, char condition[], int salary) {
    if(age >= 18 && age <= 60 && strcmp(condition, "no") == 0 && salary >= 25000)
        return 1;
    return 0;
}
int main() {
    int age, salary;
    char condition[4];
    printf("Enter Age: ");
    scanf("%d", &age);
    printf("Any Pre-existing Condition? (yes/no): ");
    scanf("%s", condition);
    printf("Enter Monthly Salary: ");
    scanf("%d", &salary);
    if(check_insurance(age, condition, salary))
        printf("Eligible for Medical Insurance");
    else
        printf("Not Eligible for Medical Insurance");
    return 0;
}
```

Problem 2

```
#include <stdio.h>
#include <string.h>
int main() {
    int n, total = 0;
    char vehicle[10];
    scanf("%d", &n);
    for (int i = 0; i < n; i++) {
        scanf("%s", vehicle);
        switch(vehicle[0]) {
            case 'C': case 'c':
                total += 50;
                break;
            case 'T': case 't':
                total += 100;
                break;
            case 'B': case 'b':
                if (strcmp(vehicle, "Bike") == 0 || strcmp(vehicle, "bike") == 0)
                    total += 20;
                else
                    total += 80;
        }
    }
}
```

```

        break;
    }
}
printf("Total Toll Tax: \u20B9%d", total);
return 0;
}

```

Problem 3

```

#include <stdio.h>
void atmTransaction(int choice, int *balance) {
    int amount;
    switch(choice) {
        case 1:
            printf("Enter Amount: ");
            scanf("%d", &amount);
            if (amount > 0 && amount <= *balance) {
                *balance -= amount;
                printf("Transaction Successful. Remaining Balance: ₹%d\n", *balance);
            } else {
                printf("Insufficient Balance or Invalid Amount!\n");
            }
            break;
        case 2:
            printf("Enter Amount: ");
            scanf("%d", &amount);
            if (amount > 0) {
                *balance += amount;
                printf("Transaction Successful. Updated Balance: ₹%d\n", *balance);
            } else {
                printf("Invalid Amount!\n");
            }
            break;
        case 3:
            printf("Current Balance: ₹%d\n", *balance);
            break;
        default:
            printf("Invalid Choice! Please enter a valid option.\n");
    }
}

int main() {
    int balance = 10000;
    int choice;
    printf("ATM Transaction System\n");
    printf("1. Withdraw Money\n");
    printf("2. Deposit Money\n");
    printf("3. Check Balance\n");
}

```

```
printf("Enter your choice: ");  
scanf("%d", &choice);  
atmTransaction(choice, &balance);  
return 0;  
}
```