Q1

```c
#include <stdio.h>

int main() {
    int price;
    float discount = 0, final_price;

    printf("Enter the price of the book : ");
    scanf("%d", &price);

    if (price >= 500) {
        discount = price * 0.3;
    } else if (price >= 300) {
        discount = price * 0.2;
    } else if (price >= 100) {
        discount = price * 0.1;
    } else {
        printf("No Discount");
    }

    final_price = price - discount;
    printf("Price after discount: %f", final_price);

}
```

```
                        cd "c:\Users\AJIT\Desktop\Tests\Test5\
" ; if ($?) { gcc Q1.c -o Q1 } ; if ($?) { .\Q1 }
Enter the price of the book : 5000
Price after discount: 3500.000000
PS C:\Users\AJIT\Desktop\Tests\Test5> cd "c:\Users\AJIT\Desktop\Tests\Test5\
" ; if ($?) { gcc Q1.c -o Q1 } ; if ($?) { .\Q1 }
Enter the price of the book : 200
Price after discount: 180.000000
PS C:\Users\AJIT\Desktop\Tests\Test5>
```

Q2

```c
#include <stdio.h>

void transaction(float *balance) {
    int choice;
    float amount;

    while (1) {
        printf("\nCurrent Balance: %.2f\n", *balance);
        printf("Choose an option:\n");
        printf("1. Deposit\n2. Withdraw\n");
        printf("Enter your choice: ");
        scanf("%d", &choice);

        if (choice == 1) {
            printf("Enter deposit: ");
            scanf("%f", &amount);
            if (amount > 0) {
                *balance += amount;
                printf("Deposit successful! New Balance: %.2f\n", *balance);
            } else {
                printf("Invalid deposit amount!\n");
            }
        } else if (choice == 2) {
            printf("Enter withdrawal: ");
            scanf("%f", &amount);
```

```c
        if (amount > 0 && *balance - amount >= 3000) {

            *balance -= amount;

            printf("Withdrawal successful! New Balance: %.2f\n", *balance);

        } else {

            printf("Insufficient balance! Minimum balance should be 3000.\n");

        }

    } else {

        printf("Invalid choice! Exiting program.\n");

        break;

    }

  }

}


int main() {

    float balance;


    printf("Enter initial account balance: ");

    scanf("%f", &balance);


    if (balance < 3000) {

        printf("Minimum balance should be at least 3000 to open an account.\n");

    } else {

        transaction(&balance);

    }


    return 0;

}
```


Current Balance: 10000.00

Choose an option:

1. Deposit

2. Withdraw

Enter your choice: 1

Enter deposit: 2000

Deposit successful! New Balance: 12000.00

Current Balance: 12000.00

Choose an option:

1. Deposit

2. Withdraw

Enter your choice: 2

Enter withdrawal: 200

Withdrawal successful! New Balance: 11800.00

Current Balance: 11800.00

Choose an option:

1. Deposit

2. Withdraw

Enter your choice: 3

Invalid choice! Exiting program.

PS C:\Users\AJIT\Desktop\Tests\Test5>