ASSIGNMENT: 04

NAME: SYEDA FAIZA ASLAM

ROLL NO: CT-25064

SECTION: B

COURSE: CODE IN PLACE

TASKS:

QUESTION NO: 01

Calculate discount on a purchase.

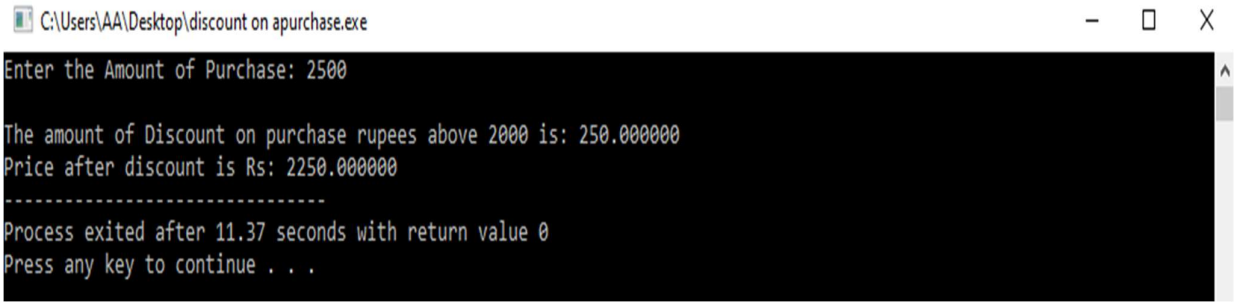
Create a program that calculates the discount on a purchase based on the amount spent and print the price after discount the discount is:

- 0% for purchase below Rs 1000.
- 5% for purchase between Rs 1000 and 2000.
- 10% for purchase above Rs 2000.

SOURCE CODE:

```
#include<stdio.h>
int main(void)
{
	float amount,discount=0,final_Price;
	printf("Enter the Amount of Purchase: ");
	scanf("%f",&amount);
	if(amount<1000)
	{
		discount=amount*0;
		printf("\nThe amount of Discount on purchase rupees below 1000 is:
%f",discount);
	}
	else if(amount>=1000&&amount<=2000)
	{
		discount=(amount*5)/100;
		printf("\nThe amount of Discount on purchase rupees between 1000
and 2000 is: %f",discount);
	}
	else
	{
		discount=(amount*10)/100;
		printf("\nThe amount of Discount on purchase rupees above 2000 is:
%f",discount);
	}
	final_Price=amount-discount;
	printf("\nPrice after discount is Rs: %f",final_Price);
	return 0;
}
```

OUTPUT:



QUESTION NO: 02

ATM Operating using Switch-Case.

Create a program using switch-case that simulates a simple ATM system. The use can choose to:

- Check balance.
- Withdraw money.
- Deposit money.

Based on the user's choice, perform the corresponding action and print a message. If the user selects a wrong option, print "Invalid option".

SOURCE CODE:

```
#include<stdio.h>
int main(voiud)
{
        int i;
        float balance,amount;
        printf("Enter Balance Amount of Money: ");
        scanf("%f",&balance);
        printf("\n SIMPLE ATM SYSTEM: ");
        printf("\n\n1. Check Balance: ");
        printf("\n2. Withdraw Money: ");
        printf("\n3. Deposite Money: ");
        printf("\n\nEnter Your Choice: ");
        scanf("%d",&i);
        switch(i)
        {
                case 1:
        printf("Your BALANCE AMOUNT is: %.2f",balance);
        break;
      case 2:
        printf("Enter the Amount of Money to Withdraw: ");
        scanf("%f",&amount);
        if(amount>balance)
        {
                printf("Insuficient Balance");
                        }
        else
        {
                balance-=amount;
                printf("With draw successfully\nNew Balance is Rs: %.2f",balance);
                        }
                break;
                case 3:
                        printf("Enter the Amount of Money to Deposite: ");
                        scanf("%f",&amount);
                        if(amount<=0)
                        {
                                printf("Invalid Amount: ");
```

```
                        }
                        else
                        {
                                balance+=amount;
                                printf("Deposite Successfully:\nNew Balance is
rs:%.2f",balance);
                        }
                break;
                default:
                        printf("INVALID MENU OPTION");
        }
        return 0;
}
```

OUTPUT: