1. Write a program that takes the price of a product as input.

If the price is greater than ₹500, apply a 10% discount; otherwise, apply a 5% discount. Display

the final pric

```
price = int(input("Enter Your price"))
if price>=500:
    discount = price*0.1
    final_price = price - discount
    print(final_price)

else:
    discount = price*0.05
    final_price = price - discount
    print(final_price)
```

```
Enter Your price 200
```

```
190.0
```

2.Take the user's age as input.

If the age is 18 or above, display "Eligible to drive"; otherwise, display "Not eligible to drive."

```
age = int(input("Enter Your age"))
if age >= 18:
    print("You are Eligible to Drive")

else:
    print("you are not eligible to drive")
```

```
Enter Your age 23
```

```
You are Eligible to Drive
```

3. Write a program that asks the current time (24-hour format).

If the time is between 9 AM and 9 PM, print "Store is open"; otherwise, print "Store is closed."

```
time = int(input("Enter Your Time:"))

if 9 <= time <=21 :
    print("Store is open")

else:
    print("Store is close")
```

```
Enter Your Time: 24

Store is close
```

4.Take the user's marks as input.

If the marks are 40 or above, print "Pass"; otherwise, print "Fail."

```
marks = int(input("Enter your marks"))
if marks >= 40:
    print("Pass")

else:
    print("Fail")
```

```
Enter your marks 88

Pass
```

5. Write a program that asks if the user has a Prime membership.

If the user enters "yes," offer free delivery; otherwise, charge ₹50 for delivery

```
user = str(input("Prime membership:"))
if user == "yes":
     print("you have free delivery")
else:
    print("your delivery charge is 50" )
```

```
Prime membership: no

your delivery charge is 50
```

6.Take a year as input.

Check if it is a leap year or not using an if-else statement

```
year = int(input("Enter Your Year"))
if year % 4 == 0:
    if year % 100 == 0:
        if year % 400 == 0:
            print("This is leap Year")
        else:
             ("This is not leap year")
    else:
        ("This is leap year")

else:("This is not leap year" )

Enter Your Year 1800
```

7. Odd or Even

```
num = int(input("Enter Your Number"))
if num % 2 == 0:
    print("this num is even")

else:
    print("num is odd")

Enter Your Number 7

num is odd
```

8.Take the current temperature as input.

If the temperature is above 40°C, display "Heat Alert"; if it’s below 0°C, display "Cold Alert";

otherwise, display "Normal Weather.

```
temp = int(input("Enter Your Temperature"))
if temp > 40:
            print("Heat Alert")

elif temp == 0:
```

```
            print("Cold Alert")

else:
    print("Normal Weather")
```

```
Enter Your Temperature 33

Normal Weather
```

9. Ask the user for their percentage marks.

Use if-else statements to print the grade based on the following:

90% and above: A+

80%–89%: A

70%–79%: B

Below 70%: C

```
marks = int(input("Enter Your Marks"))
if marks >= 90:
    print("A+")

elif 80 <= marks < 89:
        print("A")
elif 70 <= marks < 79:
        print("B")
else:
    print("C")
```

```
Enter Your Marks 55

C
```

10.Take the balance in a bank account and the amount the user wants to withdraw as input. If

the withdrawal amount is less than or equal to the balance, print "Withdrawal successful";

otherwise, print "Insufficient balance."

```
user = int(input("Enter Your withdrawal amount"))
bank_balance = 10000
if user <= bank_balance:
    print("Withdrawal successful")

else:
    print("Insufficient balance")
```

```
Enter Your withdrawal amount 8000

Withdrawal successful
```

11. Ask the user to input two numbers.

Print whether the first number is greater, smaller, or equal to the second number.

```
num1 = int(input("Enter Your Number"))
num2 = int(input("Enter Your Number"))
if num1 > num2:
    print(f"{num1} greater than {num2}")

elif num1 < num2:
    print(f"{num1} smaller than {num2}")

else:
    print(f"{num1} equal to {num2}")
```

```
Enter Your Number 13
Enter Your Number 13

13 equal to 13
```

12. Ask the user to input a password.

If it matches a predefined password (e.g., "secure123"), print "Access granted"; otherwise, print

"Access denied."

```
password = str(input("Enter Your Password"))
if password == "Skillcircle":
    print("Access granted")

else:
    print("Access denied")
```

```
Enter Your Password Skillcricle

Access granted
```

13. If the current time is between 6 PM and 9 PM, apply a 20% discount on the product price

entered by the user. Otherwise, no discount is applied.

```
time = int(input("Enter Your Time"))
if 18 <= time <= 21:
    print("You Have 20% Discount")

else:
    print("No discount")
```

```
Enter Your Time 19

You Have 20% Discount
```

14. Take the user's citizenship ("Indian" or "Other") and age as input.

If the user is Indian and 18 or above, print "Eligible to vote"; otherwise, print "Not eligible to

vote."

```
age = int(input("Enter Your Age:"))
if age >= 18:
    print("Eligible to vote")
```

```
else:
    print("Not eligible")
```

```
Enter Your Age: 14

Not eligible
```

15. Ask the user for the number of people in a group.

If it’s greater than 5, apply a 15% service charge on the total bill amount entered by the user.

```
people = int(input("number of people"))
amount = 5000
if people >= 5:
    service_charge = amount*0.15
    final_amount = service_charge + amount
    print(f"your final amount is {final_amount}")

else:
    print(f"your final amount is {amount}")
```

```
number of people 2

your final amount is 5000
```

16. Ask for the user's delivery location (as "urban" or "rural").

If the location is urban, display "Delivery available"; otherwise, display "Delivery not availab

```
location = str(input("Enter your location"))
if location == "urban":
    print("Delivery available")

else:
    print("Delivery not availab")
```

```
Enter your location urban

Delivery available
```

17. Take the user’s weight (in kg) and height (in meters) as input and calculate their BMI.

If BMI < 18.5, display "Underweight"; 18.5–24.9, display "Normal"; otherwise, display

"Overweight."

```
user_bmi = float(input("your BMI is"))
if user_bmi<18.5:
    print("Underweight")

elif 18.5<=user_bmi<=24.9:
        print("Normal")

else:
    print("Overweight")
```

```
your BMI is 13

Underweight
```

18. Ask the user to input a day of the week.

If it’s Saturday or Sunday, print "Weekend"; otherwise, print "Weekday."

```
day = str.lower(input("A day of the week is"))
if day == "saturday" or day == "sunday":
    print("Weekend")

else:
    print("Weekday")
```

```
A day of the week is wednesday

Weekday
```

19.Take the age of a passenger as input.

If the passenger is below 12 or above 60, apply a 50% discount on the fare entered by the user;

otherwise, charge the full fare.

```
age = int(input("Enter your age"))
ticket_price = 10000
if age<=12 or age>=60:
    discount = ticket_price*0.5
    final_price = ticket_price - discount
    print(f"your final price is {final_price}")

else:
    print(f"your final price is {ticket_price}")


Enter your age 45

your final price is 10000
```

20. Ask the user for the number of electricity units consumed.

If units are:

Less than or equal to 100: Charge ₹5 per unit.

Between 101 and 300: Charge ₹10 per unit.

Above 300: Charge ₹15 per unit.

```
electricity = int(input("Enter your units"))
if electricity<=100:
    unit_charge = 5
    total_charge = electricity*unit_charge
    print(f"your total charge is {total_charge}")

elif 101<= electricity<=300:
    unit_charge = 10
    total_charge = electricity*unit_charge
    print(f"your total charge is {total_charge}")

else:
    unit_charge = 15
```

```
    total_charge = electricity*unit_charge
    print(f"your total charge is {total_charge}")


Enter your units 500

your total charge is 7500
```