```
# Assignment 1: Voting Eligibility
# Use Case: Election system

# ENTER AGE
age= int(input("\nEnter age: "))

# ELIGIBILITY CHECK
if age>=18:
    print("True\n")
else:
    print("False\n")
```

```
# Assignment 2: Product Budget Check
# Use Case: Online shopping

price= float(input("\nEnter price of product: "))
budget= float(input("Enter your budget: "))

if price<=budget:
    print("True\n")
else:
    print("Over Price\n")
```

```
# Assignment 3: Exam Pass Check
# Use Case: Result evaluation

mark= int(input("\nEnter student mark: "))

if mark>=35:
    print("PASS\n")
else:
    print("FAIL\n")
```

```
# Assignment 4: Battery Status
# Use Case: Mobile device

battery= int(input("\nEnter battery percent: "))

if battery>=20:
    print("True\n")
else:
    print("False\n")
```

```
# Assignment 5: Stock Availability
# Use Case: Inventory system

stock= int(input("\nEnter stock amount: "))

if stock!=0:
    print("True\n")
else:
    print("False\n")
```

```
# Assignment 6: Free Delivery Eligibility
# Use Case: E-commerce platform

order_amount= float(input("\nEnter order amount: "))

if order_amount>=999:
    print("True\n")
else:
    print("False\n")
```

```
# Assignment 7: Attendance Eligibility
# Use Case: College exam

attendance= int(input("\nEnter attendance: "))

if attendance>=75:
    print("True\n")
else:
    print("False\n")
```

```
# Assignment 8: Login Validation
# Use Case: Authentication system

e_user= input("\nEnter username: ")
e_pass= input("Enter password: ")

stored_username= "admin"
stored_password= "admin123"

if e_user == stored_username and e_pass == stored_password:
    print("True\n")
else:
    print("False\n")
```

```
# Assignment 9: Cloud Storage Limit
# Use Case: Cloud services

used_storage= int(input("\nEnter used storage: "))
limit= int(input("Enter limit of storage: "))

if used_storage<=limit:
    print("True\n")
else:
    print("False\n")
```

```
# Assignment 10: Speed Test Validation
# Use Case: Internet service provider

speed= int(input("\nEnter internet speed: "))

if speed>=5:
    print("true\n")
else:
    print("False\n")
```

```
# Assignment 11: Fraud Detection
# Use Case: Banking system

entered_amount= float(input("\nEnter your amount: "))
actual_amount= 10050

if entered_amount==actual_amount:
    print("True\n")
else:
    print("False\n")
```

```
# Assignment 12: Salary Credit Check
# Use Case: Payroll system

credited_salary= int(input("\nEnter your credited salary: "))
expected_salary= int(input("Enter ecpected salary: "))

if credited_salary==expected_salary:
    print("True\n")
else:
    print("False\n")
```

```
# Assignment 13: EMI Burden Check
# Use Case: Loan system

emi= int(input("\nEnter EMI amount: "))
income= int(input("Enter your income: "))

if emi<=income:
    print("True\n")
else:
    print("False\n")
```

```
# Assignment 14: Vehicle Overspeed Detection
# Use Case: Traffic monitoring

speed= int(input("\nEnter vehicle speed: "))

if speed <= 80:
    print("True\n")
else:
    print("False\n")
```

```
# Assignment 15: OTP Verification
# Use Case: Secure login

import random
otp_sent= random.randint(1000,9999)
print("\nYour OTP is:", otp_sent,"Enter it correctly.")

otp_entered= int(input("Enter your OTP: "))

if otp_entered==otp_sent:
    print("True\n")
else:
    print("False\n")
```