

Day 6 (04.08.23) (conditioning, odd(or) even, login, palindrome):

Conditioning: If, Else:

If: If the condition is true go to the action.

 “If (condition):
 Action”

Else: After all the If are not true, run the else condition.

 “Else:
 Action”

Code:

```
age=int(input('Age: '))
if age>=18:
    print("You're ELIGIBLE to enter this club😄")
else:
    print("GET OUT😞")
```

Output:

Age: 25

You're ELIGIBLE to enter this club😄

ODD

2) Odd/Even:

Odd: Leaves a reminder 1 when divided by 2.

Even: Leaves no reminder when divided by 2.

Code:

```
age2=int(input("Enter your age: "))
if age2%2==0:
    print("EVEN")
if age2%2!=0:
    print("ODD")
```

Output:

Enter your age: 25

ODD

3) Login:

Input Value must be exactly equal to Database Value.

Login Error will occur if there is any small change in the input.

Code:

```
username=input("Username: ")
password=input("Password: ")
dbusername="dbusername"
dbpassword="dbpassword"
if username==dbusername and password==dbpassword:
    print("Login SUCCESSFUL")
else:
    print("INVALID username and password")
```

Output:

Username: dbusername

Password: dbpassword

Login SUCCESSFUL

4) Palindrome:

The letter arrangement in a word must be equal to the word when it is reversed.

Code:

```
print("")
word=input('Enter the word: ')
print(f"normal word-> {word} ")
print(f"after reverse-> {word[::-1]}")
if word==word[::-1]:
    print("It's a PALINDROME")
else:
    print("It's NOT a PALINDROME")
```

Output:

Enter the word: refer

normal word-> refer

after reverse-> refer

It's a PALINDROME