

using else if ladder

1] age = int(input("Enter your age: "))

if age < 0:

print("Invalid age")

elif age < 18:

print("You are minor")

elif age < 65:

print("You are an adult")

else:

print("You are an senior citizen")

Output

Enter your age: 23

You are an adult

2] Print the integers in the reverse order

num = int(input("Enter an integer to reverse: "))
reverse = 0

while num > 0:

digit = num % 10

reverse = reverse * 10 + digit

num = num // 10

print("Reverse integer: ", reverse)

Output

Enter an integer to reverse: 21

Reversed integer: 12

3] To print sequence

```
n = int(input("Enter the number: "))
```

```
for i in range(1, n+1):
    for j in range(i):
        print(i)
```

Output:

Enter the number : 3

1

2

2

3

3

3

4]

```
n = int(input("Enter the number: "))
```

```
for i in range(1, n+1):
    for j in range(1, i+1):
        print(j)
```

Output

Enter the number : 3

1

1

2

1

2

3

5] Power of a number

```
base = int(input("Enter the base: "))
exponent = int(input("Enter the exponent: "))
```

```
result = base ** exponent
```

```
print(result) or print(f"the result is {result}")
```

Output

Enter the base: 2

Enter the exponent: 2

the result is 4

6] switch case

```
lang = int(input("Lang"))
```

```
while True:
```

```
    print("Menu:")
```

```
    print("1. opt 1")
```

```
    print("2. opt 2")
```

```
    print("3. opt 3")
```

```
    print("4.
```

```
match lang:
```

```
    case "Java":
```

```
        print("1")
```

```
    case "PHP":
```

```
        print("2")
```

```
    case "JavaScript":
```

```
        print("3")
```

```
    case -:
```

```
        print("default")
```

Output

Enter your choice: 1

1 opt 1

8/10/11/23