### 11- EXCEPTION HANDLING

**Ex. No. : 11.1**

**Program:**

try:

a=input() if(int(a)>0 and int(a)<101):

print("Valid input.") else: print("Error: Number out of allowed range") except:

print("Error: invalid literal for int()")

**Ex. No. : 11.2**

**Program:**

try:

a=input() b=input() c=int(a)/int(b) d=int(a)%int(b) except ZeroDivisionError:

print("Error: Cannot divide or modulo by zero.") except:

print("Error: Non-numeric input provided.") else:

print("Division result:",c) print("Modulo result:",d)

**Ex. No. : 11.3**

**Program:** try:

a=input()

if int(a)>=0:

print("You are",a,"years old.") else:

print("Error: Please enter a valid age.") except: print("Error: Please enter a valid age.")

**Ex. No. : 11.4**

**Program:** import math try:

n=input() n=float(n) if n < 0: print("Error: Cannot calculate the square root of a negative number.") else:

r= math.sqrt(n) print("The square root of {} is {:.2f}".format(n, r))

except ValueError: print("Error: could not convert string to float")

**Ex. No. : 11.5**

try:

a=input() b=input() c=float(a)/float(b) except ZeroDivisionError:

print("Error: Cannot divide or modulo by zero.") except:

print("Error: Non-numeric input provided.") else: print(c)