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| EX:NO:10C | Implementing real-time/technical applications using Exception handling. ( student mark range validation) |
| Date: |

**Aim:**

To implement real-time applications using Exception handling.

(Student mark range validation)

**Algorithm:**

**Step1:** Start the program

**Step2:** Handling user input of five different students and their marks with Python

try/except Statement.

**Step3:** Check student's mark range and print the result .

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**Program:**

def get\_valid\_marks():

while True:

try:

marks = float(input("Enter the marks: "))

if 0 <= marks <= 100:

return marks

else:

print("Marks should be between 0 and 100. Please try again.")

except ValueError:

print("Invalid input. Please enter a numeric value for marks.")

# Initialize an empty dictionary to store student data

student\_data = {}

# Get data for 10 students

for i in range(1, 6):

print(f"\nEnter details for student {i}:")

name = input("Enter the name: ")

# Get and validate marks using the function

marks = get\_valid\_marks()

# Add data to the dictionary

student\_data[name] = marks

# Display the collected data

print("\nStudent data:")

for name, marks in student\_data.items():

print(f"{name}: {marks} marks")

**Result:**