```
def calculate grade(marks):
  if marks \geq 90:
    return 'A+'
  elif 80 <= marks < 90:
    return 'A'
  elif 70 <= marks < 80:
    return 'B'
  elif 60 <= marks < 70:
    return 'C'
  elif 50 <= marks < 60:
    return 'D'
  else:
    return 'Fail'
def get valid marks():
  while True:
    try:
      marks = int(input("Enter the marks obtained by the student: "))
      if 0 <= marks <= 100:
         return marks
      else:
         print("Invalid input! Marks should be between 0 and 100.")
    except ValueError:
       print("Invalid input! Please enter a valid number.")
def main():
  while True:
    num_students = int(input("Enter the number of students: "))
    if num_students <= 0:
      print("Number of students must be greater than 0.")
      continue
    for student in range(1, num_students + 1):
      print(f"\nStudent {student}:")
      marks = get_valid_marks()
      grade = calculate_grade(marks)
      print(f"Grade: {grade}")
    choice = input("Do you want to calculate grades for another set of students? (yes/no): ").lower()
    if choice != 'yes':
      break
  print("Exiting the program. Thank you!")
if __name__ == "__main__":
  main()
```

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