

```
1 def get_grade(marks):
2     if 90 <= marks <= 100:
3         return 'A'
4     elif 85 <= marks < 90:
5         return 'B+'
6     elif 79 <= marks < 85:
7         return 'B'
8     elif 70 <= marks < 79:
9         return 'B-'
10    elif 60 <= marks < 70:
11        return 'C'
12    elif 50 <= marks < 60:
13        return 'D'
14    else:
15        return 'F'
16
17 def main():
18     while True:
19         try:
20             marks = float(input("Enter the student's marks (0 to
21                               100): "))
22             if marks < 0 or marks > 100:
```

Enter the student's marks (0 to 100): 78
The grade for 78.0 marks is: B-
Do you want to enter more marks? (yes/no): yes
Enter the student's marks (0 to 100): 45
The grade for 45.0 marks is: F
Do you want to enter more marks? (yes/no): no
Terminating the program.

=== Code Execution Successful ===

```
def get_grade(marks):
    if 90 <= marks <= 100:
        return 'A'
    elif 85 <= marks < 90:
        return 'B+'
    elif 79 <= marks < 85:
        return 'B'
    elif 70 <= marks < 79:
        return 'B-'
    elif 60 <= marks < 70:
        return 'C'
    elif 50 <= marks < 60:
        return 'D'
    else:
        return 'F'
```

```
def main():
    while True:
        try:
            marks = float(input("Enter the student's marks (0 to 100): "))
            if marks < 0 or marks > 100:
                print("Marks must be between 0 and 100. Please try again.")
                continue
        except ValueError:
            print("Invalid input. Please enter a numerical value for marks.")
            continue
```

```
grade = get_grade(marks)
print(f"The grade for {marks} marks is: {grade}")
```

```
user_input = input("Do you want to enter more marks? (yes/no): ").strip().lower()
if user_input != 'yes':
    print("Terminating the program.")
    break
```

```
if __name__ == "__main__":
    main()
```