[2]:

```
print("Welcome to Grade Calculator")

def get_marks():
    print("\nEnter your marks for the following subjects:")
    english=float(input("English: "))
    science=float(input("Science: "))
    maths=float(input("Maths: "))
    history=float(input("History: "))
    computer=float(input("Computer: "))

    if not(0 <= english <= 100 and 0 <=science <= 100  and 0 <= maths <= 100 and 0 <= history <= 100 and 0 <= computer <= 100):
        print("Marks should be between 0 and 100. Please enter valid marks!")
        return None
    return english, science, maths, history, computer

def calculate_percentage(total):
    return (total / 500) * 100

def determine_grade(percentage):
    if percentage >=90:
        return "A+"
    elif percentage >=80:
        return "A"
    elif percentage >=70:
        return "B"
    elif percentage >=60:
        return "C"
    elif percentage >=50:
        return "D"
    else:
        return "F"

def main():
    while True:
        marks=get_marks()
        if marks is None:
            continue
        total = sum(marks)
        percentage = calculate_percentage(total)
        grade = determine_grade(percentage)

        print(f"\nYour Total Marks: {total}/500")
        print(f"Your Percentage: {percentage:.2f}%")
        print(f"Your Grade: {grade}")

        rerun = input("\nDo you want to calculate again? (y/n): ").lower()
        if rerun != "y":
            print("Thank you for using the Grade Calculator!")
            break

main()
```

```
Welcome to Grade Calculator

Enter your marks for the following subjects:
English:  90
Science:  85.2
Maths:  68.9
History:  85.4
Computer:  93.2

Your Total Marks: 422.70000000000005/500
Your Percentage: 84.54%
Your Grade: A

Do you want to calculate again? (y/n):  y

Enter your marks for the following subjects:
English:  70
Science:  65
Maths:  65.5
History:  85.9
Computer:  89.8

Your Total Marks: 376.2/500
Your Percentage: 75.24%
Your Grade: B

Do you want to calculate again? (y/n):  n
Thank you for using the Grade Calculator!
```

[ ]: