

ISE ACTIVITY NO. : 1

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#include <stdlib.h>

int calculateAge() {
    int birthYear, currentYear, age;

    printf("Enter your birth year: ");
    scanf("%d", &birthYear);
    printf("Enter the current year: ");
    scanf("%d", &currentYear);
    if (currentYear >= birthYear) {
        age = currentYear - birthYear;
        printf("Your age is: %d years\n", age);
    } else {
        printf("Invalid input. Current year must be greater than or equal to birth year.\n");
        exit(1);
    }
    return age;
}

void calculateBMI() {
    float weight, height, bmi;

    printf("Enter your weight in kilograms: ");
    scanf("%f", &weight);
    printf("Enter your height in feet: ");
    scanf("%f", &height);
    if (height > 0) {
        bmi = weight / (height * height);
        printf("Your BMI is: %.2f\n", bmi);
    }
}
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    if (bmi < 18.5)
        printf("You are normal weight.\n");
    else if (bmi >= 18.5 && bmi < 24.9)
        printf("You have a medium weight.\n");
    else if (bmi >= 25 && bmi < 29.9)
        printf("You are overweight.\n");
    else
        printf("You are obese.\n");
} else {
    printf("Invalid height input.\n");
}
}

int main() {
    printf("Welcome to the Age and BMI Calculator Program!\n");
    int age = calculateAge();
    char choice;
    printf("\nDo you want to calculate your BMI? (y/n): ");
    getchar();
    scanf("%c", &choice);
    if (choice == 'y' || choice == 'Y') {
        calculateBMI();
    } else if (choice == 'n' || choice == 'N') {
        printf("You chose not to calculate BMI. Goodbye!\n");
    } else {
        printf("Invalid choice. Exiting program.\n");
    }
    return 0;
}

```