Question 1

}

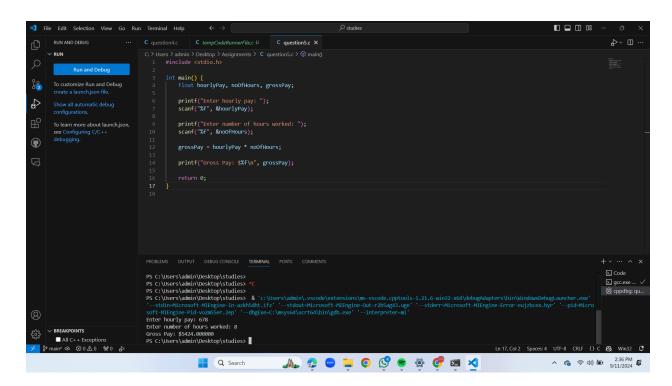
Because the range of int isn't that long. Should use long int to correct error. Or long long int

```
Question 2
#include <stdio.h>
int main() {
  // Create integer variables to store the numbers and their sum
  int NUM1, NUM2, temp;
  // Ask the user to type the first number
  printf("Type a number 1: \n");
  scanf("%d", &NUM1);
  // Ask the user to type the second number
  printf("Type a number 2: \n");
  scanf("%d", &NUM2);
 //variable swap
  temp = NUM1;
  NUM1 = NUM2;
  NUM2 = temp;
       printf("now number 1 is %d\n", NUM2);
       printf("and number 2 is %d\n", NUM1);
  return 0;
```

Question 3

```
#include <stdio.h>
#include <math.h>
int main() {
       // Ask the user to enter the student's ID, student's Name, marks for Subject 1, marks for
Subject 2, and marks for Subject 3.
        int sub1, sub2, sub3, stdID, i;
        printf("Enter student ID: ");
  scanf("%d", &stdID);
        printf("Enter marks for Subject 1: ");
  scanf("%d", &sub1);
  printf("Enter marks for Subject 2: ");
  scanf("%d", &sub2);
  printf("Enter marks for Subject 3: ");
  scanf("%d", &sub3);
  int sum;
  sum = sub1 + sub2 + sub3;
        float percentage = ((float)sum / 300) * 100;
  printf("\nStudent Details:\n");
  printf("ID: %d\n", stdID);
  printf("Marks for Subject 1: %d\n", sub1);
  printf("Marks for Subject 2: %d\n", sub2);
  printf("Marks for Subject 3: %d\n", sub3);
        printf("Sum of marks: %d\n", sum);
        printf("percentage: %f\n", percentage);
  return 0;
 nter student ID: 9257
 tudent Details:
  ocess exited after 5.428 seconds with return value 0 ress any key to continue . . .
```

```
#include <stdio.h>
int main() {
  float hourlyPay, noOfHours, grossPay;
  printf("Enter hourly pay: ");
  scanf("%f", &hourlyPay);
  printf("Enter number of hours worked: ");
  scanf("%f", &noOfHours);
  grossPay = hourlyPay * noOfHours;
  printf("Gross Pay: $%.2f\n", grossPay);
  return 0;
}
```



```
#include <stdio.h>
int main() {
    float celsius, fahrenheit;

    printf("Enter temperature in Celsius: ");
    scanf("%f", &celsius);

    fahrenheit = (celsius * 9/5) + 32;

    printf("Equivalent temperature in Fahrenheit: %f\n", fahrenheit);
    return 0;
}
```

