Assignment 2 – Questions

Q1.

1. Sequence, selection, repetition
2. Selection structure
3. Semantic, Syntax
4. Compile, output/runtime

Q2.

1. if (count >= 10) {

printf(“Count is greater than or equal to 10”);

}

Output: “Count is greater than or equal to 10” will be printed or nothing will be printed

1. 1 – int remainder = q % divisor;

q = remainder;

2 – q = q % divisor;

1. printf(“%.2f ”, 123.4567f);

Output: “123.46” (When compiled, float is rounded)

1. scanf(“%d %f”, &numberOfCourses, &gpa);
2. printf(“number is:%-8.3f”, 123.4567f);

Output: “number is:123.457 ”

1. printf(“number is:%012.5f”, 67.2391f);

Output: “number is:000067.23910”

1. printf(“%-15d”, 1327);

Output: “1327 ”

1. if(number != 7){

printf(“The variable number is not equal to 7”);

}

Output: “The variable number is not equal to 7” will be printed or nothing will be printed

Q3.

1. relational expression incorrect (incorrect order), variable ‘largest’ incorrectly assigned

Corrected: if (number >= largest) largest = number;

1. if statement doesn’t need semi-colon, Relational expression incorrect (missing equals sign), printf missing opening quotation

Corrected: if (x == y)

printf(“%d is equal to %d\n”, x, y);

1. printf missing semi-colon, else statement can’t have a condition, conditions (age < 20, age >= 20) are inverse in order.

Corrected: if (age >= 20)

printf(“You are an adult.”);

else

printf(“You are a teen”);

Q4. 1 – x += 1

2 – x = ++x

3 – x++

4 – x = x + 1