

Assignment 3

The function for finding whether the triangle is scalene, isosceles, equilateral, or not a triangle is given below.

```
void check(int a,int b,int c)
{
    if(a==b&&b==c&&c==a)
        printf("Triangle is equilateral");
    else if(a!=b&&b!=c&&c!=a)
        printf("Triangle is scalene");
    else if(a==b||b==c||c==a)
        printf("Triangle is isosceles");
    else if((a+b)<c||(b+c)<a||(c+a)<b)
        printf("Not a triangle");
}
```

Answer the following questions:

1. Draw the corresponding flow chart and flow graph for the function.
2. Calculate the cyclomatic complexity of the problem using all three formulae.
3. Enlist the independent paths associated with the problem.