Fast**National University of Computer & Emerging Sciences, Karachi  
Assignment 2 (Spring-2023)**

Consider the following source code and perform the following tasks:

1. Calculate cyclomatic complexity for the below program using all the three methods discussed in the class. [4]
2. Draw the control flow graph, identify all the independent paths. [3]
3. Generate the testing cases using equivalence partitioning for at-least one value from valid and invalid classes, show your test cases in grid form. [3]
   1. begin int x, y, power;
   2. float z;
   3. input(x, y);
   4. **if**(y<0)
   5. power = -y;
   6. **else** power = y;
   7. z=1;
   8. **while**(power!=0)
   9. { z=z\*x;
   10. power=power-1;
   11. } **if**(y<0)
   12. z=1/z;
   13. output(z);
   14. end