National University of Computer and Emerging Sciences

Software Re-engineering (SE4001)

Retake - Quiz

Date: May 8th 2024

Course Instructor(s)

Dr. Syed Muazzam Ali Shah

Total Time: 30 minutes

Total Marks: 10

Total Questions: 01

Semester: SP-2024

Campus: Karachi

Dept: Software Engineering

_____ _____ _____ _____
Student Name   Roll No   Section   Student Signature

Q1: Draw the control flow diagram for the following source code.

```
begin
    int x, y, power;
    float z;
    input(x, y);
    if(y<0)
        power=-y;
    else
        power=y;
    z=1;
    while(power!=0){
        z=z*x;
        power=power-1;
    }
    if(y<0)
        z=1/z;
    output(z)
end
```

```
begin
   int x, y, power;      1
   float z;              2
   input (x, y);         3
   if (y<0)              4
      power=-y;          5
   else
      power=y;           6
   z=1;                  7
   while (power!=0){     8
      z=z*x;             9
   power=power-1;        10
   }
   if (y<0)              11
      z=1/z;             12
   output(z);            13
end                      14
```