

C Programming Technique – DCP 2073
FKKSA – 20092010/1
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Assignment 4: Selection (Making-Decision)

Due date : 7nd September 2009

Answer all questions. Do this assignment as an individual assignment.

1. If $x = 3$, $y = 0$, and $Z = -4$, what is the value of the following expressions?
 - a. $x \ \&\& \ y \ || \ z$
 - b. $x \ || \ y \ \&\& \ z$
 - c. $(x \ || \ y) \ \&\& \ z$
 - d. $(x \ || \ y) \ \&\& \ z$
 - e. $(x \ \&\& \ z) \ || \ y$

2. If originally $x = 0$, $y = 0$, and $z = 1$, what is the value of x, y and z after executing the following code ?

```
if (x)
    if(y)
        z=3;
else
    z = 2;
```

3. If originally $x = 0$; $y = 0$; and $z = 1$, what is the value of x, y , and z after executing the following code ?

```
switch(x)
{
    case 0 : x = 2;
           Y = 3;
    case 1 : x = 4;
    default : y = 3;
           x = 1;
}
```

4. Write a complete code for the flowchart as shown in Figure 1. Assume that the variable x and y are integers and z is a float-point number.

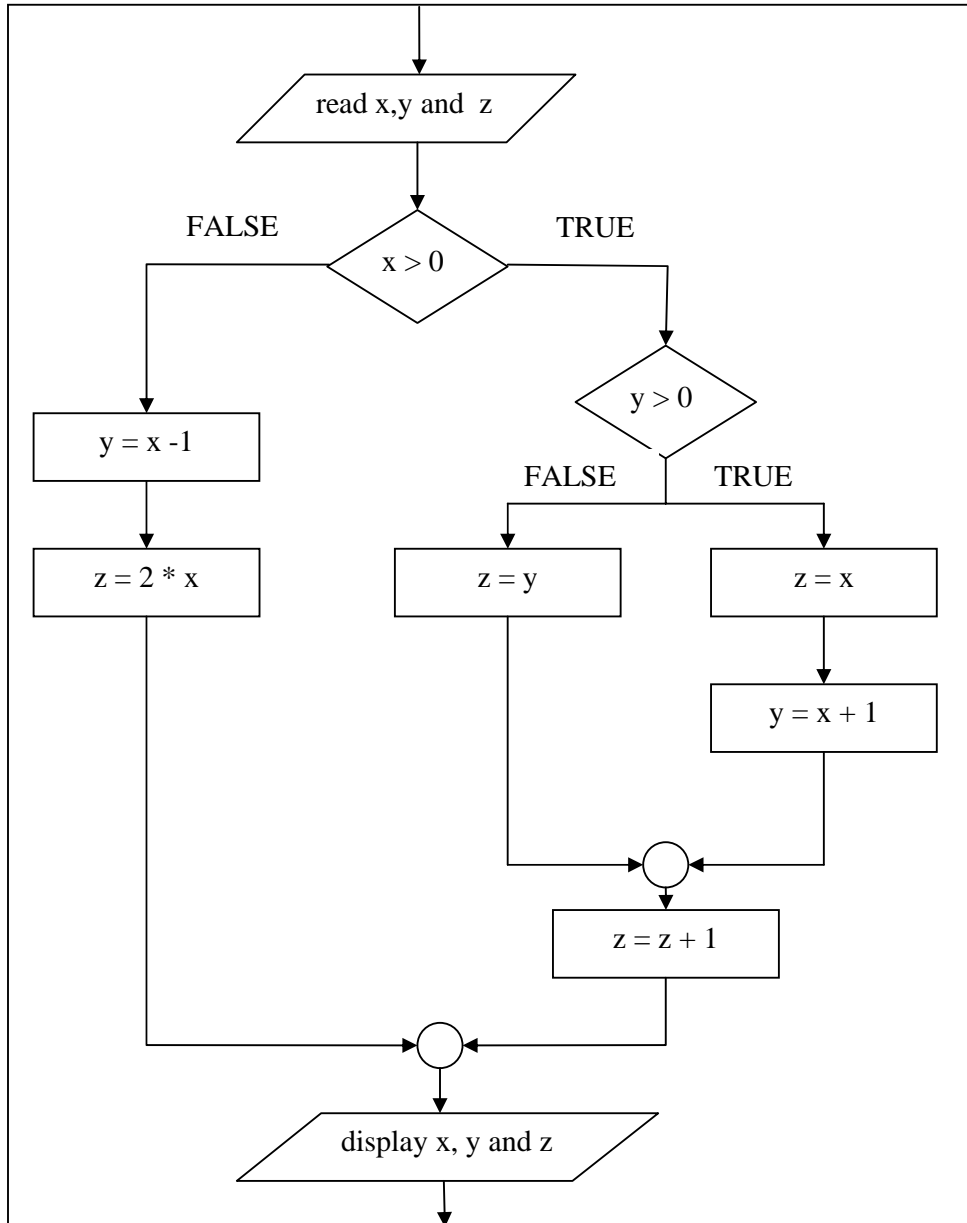


Figure 1