

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

**Due date : 7<sup>nd</sup> September 2009**

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

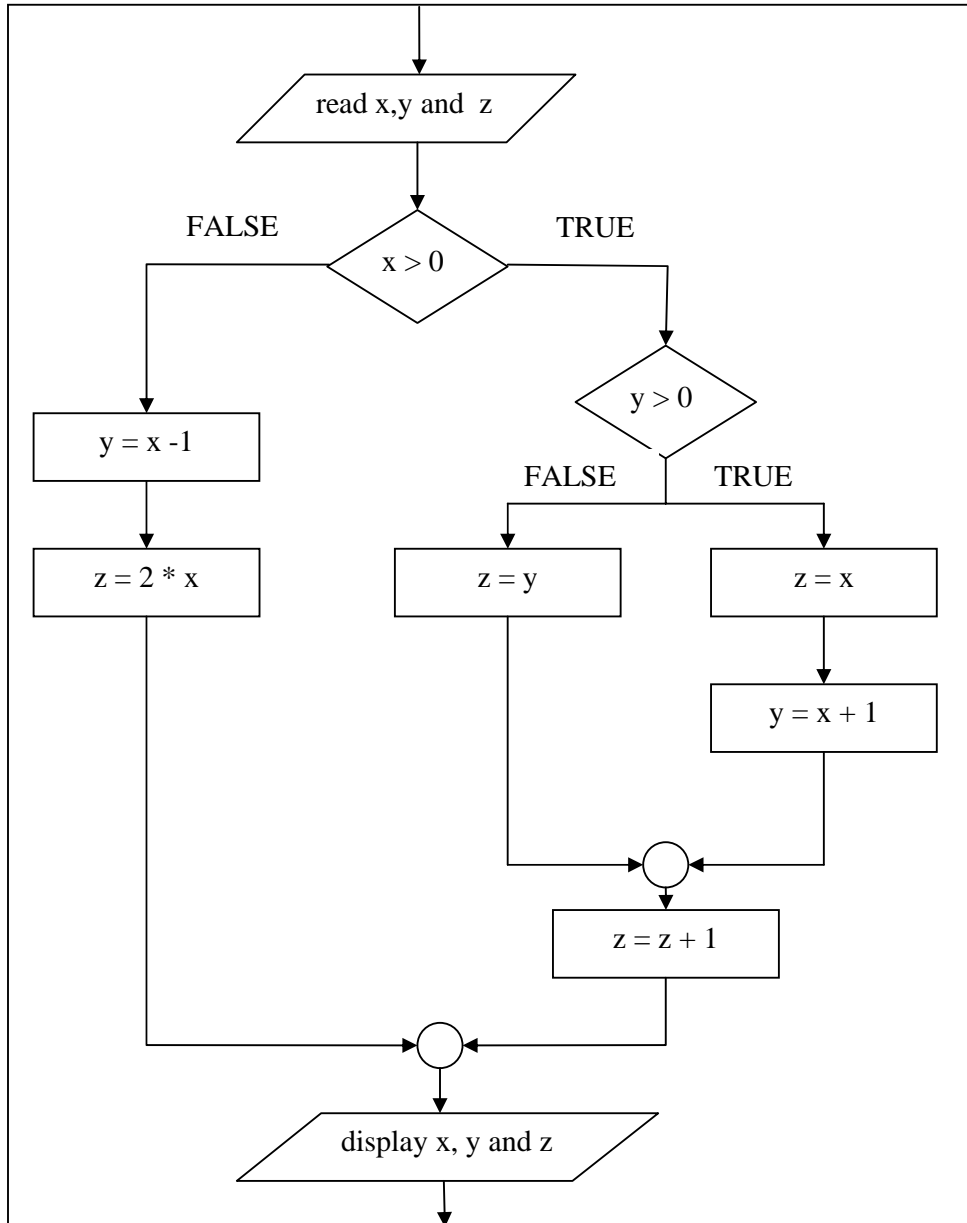
1. If  $x = 3$ ,  $y = 0$ , and  $Z = -4$ , what is the value of the following expressions?
  - a.  $x \ \&\& \ y \ || \ z$
  - b.  $x \ || \ y \ \&\& \ z$
  - c.  $(x \ || \ y) \ \&\& \ z$
  - d.  $(x \ || \ y) \ \&\& \ z$
  - e.  $(x \ \&\& \ z) \ || \ y$
  
2. If originally  $x = 0$ ,  $y = 0$ , and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