

class - VII

Topic - Conditional Statements using MakeCode.

Month - November.

I Answer the following questions:

1. Name the different types of control structures.

Ans: The different types of control structures are Sequential, Conditional, Iterative.

2. Define if-else construct.

Ans: The if-else control structure is used when either of the two different actions is to be performed depending upon the result of the conditional expression.

3. List three logical operators.

Ans: The three logical operators are: AND, OR, NOT operator.

4. What are relational operators?

Ans: Relational Operators are used to show the relationship between the operators. These operators compare the values of the variables and determine the result in a Boolean expression.

II Competency-based questions.

1. Zian's teacher has given a problem in the class, which every student needs to solve. The problem states: (If $x = 100$, $y = x/2$) then find the output of NOT ($y! = 50$).

Ans: $x = 100$,

$$y = x/2 = 100/2 = 50$$

NOT ($y \neq 50$)

NOT (false) \Rightarrow True.