## b. Selection Structure:

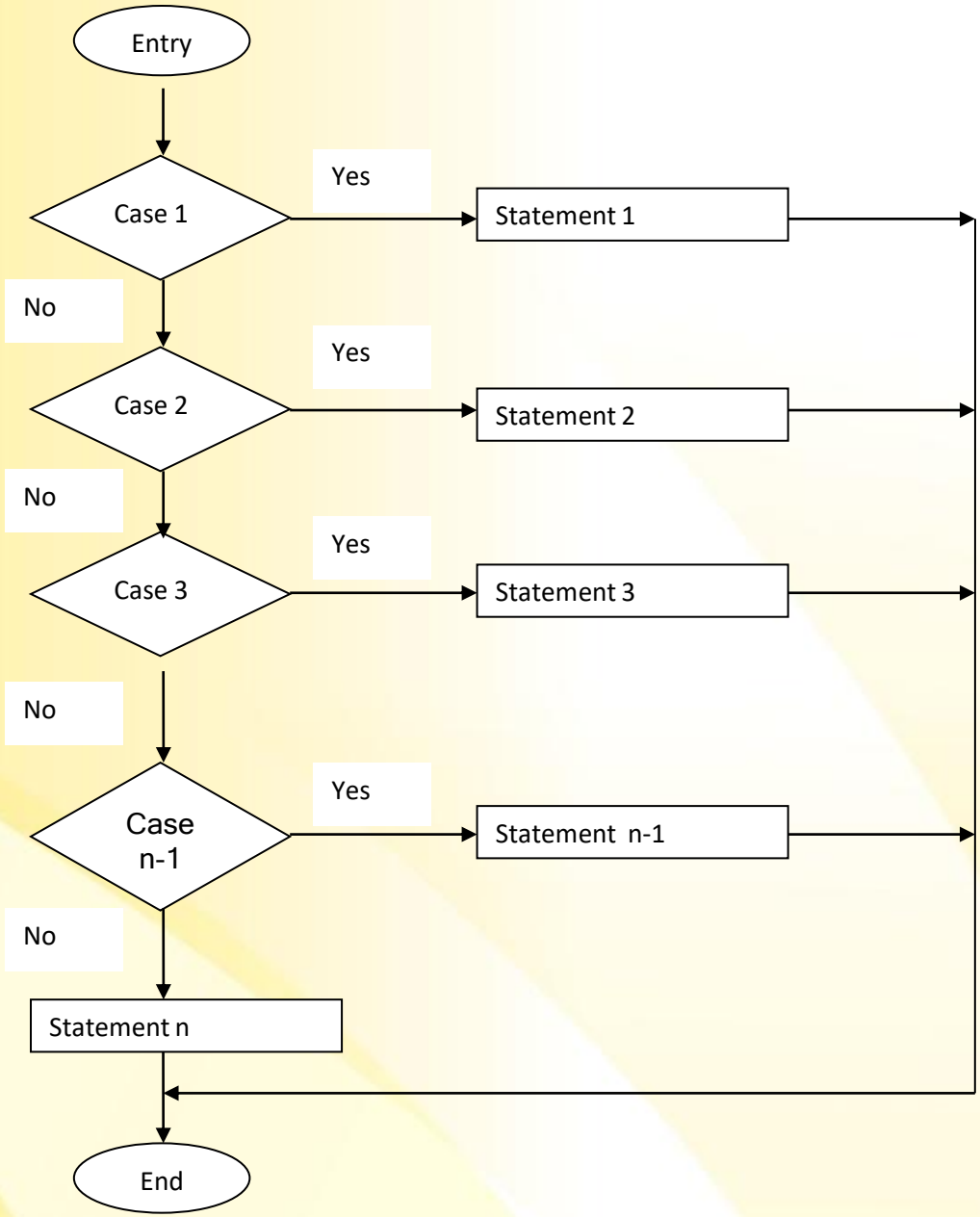
- The structure which is used to test whether a given statement is true or false is called selection structure. It is divided into two types. They are:-
  i. Switch case statement
  ii. Conditional statement

i. Switch case statement:

It is a statement which allows a variable to be tested for equality against a list of values. It is also alternative of nested if….else. It is executed when there are many choices and only one is to be executed.

**Syntax:**

```
Switch (expression)
{
case 1 :
Statement 1;
break;
case 2 :
Statement 2 ;
break ;
case 3 :
Statement 3 ;
break ;
.
.
.
case n-1 :
Statement n-1 ;
break ;
default:
Statement n;
}
```


Entry
Case 1
Yes
Statement 1
No
Case 2
Yes
Statement 2
No
Case 3
Yes
Statement 3
No
Case
n-1
Yes
Statement n-1
No
Statement n
End

## C. Questions: (03/30/2077)

1. Explain Switch Statement with suitable diagram and syntax. [5]
2. WAP to find out the sum, subtract and product from given two inputs using switch statement. [7]
3. WAP to find out the sum, subtract and product from given three inputs using switch statement.[7]
4. WAP to find out the perimeter of rectangle, area of rectangle and volume of cuboid using switch statement.[7]
5. WAP to find out the perimeter of square, area of square and volume of cube using switch statement.[7]