Where N = Total No of Sample Spaces or Condition for an Event This formula is called as Bayes codd Relation for Conditions. And The above block is called as Bayes Conditional Block.

n=(N-2)

1. -else
2. here n=N-1

Mandatory.

if-else Blocks :-

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Adding else block add extra, default conditions just like switch default case,

if-else are complementary(inverse) to each other where only two possible combination are possible.

if-else can be used, best for checking.

1. odd-even

2. +ve and -ve

3. this and that conditions.

else means : lets begin the cinema without any condition.

in most of the books it is said, else will execute when, if will return false.

The most dis-advantage feature of, else is, that it will execute at any condition.

even if condition is legally right or wrong.

Bayes Code Conditions:-

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if there are n no of possibilities then, the best case can be handled by, if condition and worst case can be handled by else, condition provided that, there exist more than 2 condition and put that condition on else-if blocks

this relation is given by formula.

wap in php to show a co-ordinate system

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Q = 4 Quadrants ---> x and y coordinate S = {x>0 y>0 , x<0 y<0, x>0 y <0 , x<0 y>0 }

Sequential nature of else-if ladder

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in switch block, switch will start from the case which directly matches

but in else-if ladder, it will execute from first block itself. hence switch faster than else if ladder

Execution : switch : matching

Execution : else-if ladder : (1-n) cases

**Program : 1**

<?php

//wap in php to show if-else

$n=readline('Enter the No:');

if($n>0)

echo 'No is +ve';

else

echo 'No is -ve';

**Program : 2**

<?php

//wap in php to find the Qudrant according to given, Quadrant conditions

$x=readline('Enter the x value:');

$y=readline('Enter the y value:');

if($x>0 and $y>0)

echo '1st Qudrant';

else if($x>0 and $y<0)

echo '4rth Qudrant';

else if($x<0 and $y>0)

echo 'IInd Qudrant';

else

echo 'IIIrd Qudrant';

**Program : 3**

<?php

//wap in php to show, sequential nature of else-if ladder

$case=readline('Enter the case value:');

if($case==1)

echo "case 1 is executing \n";

if($case==2)

echo "case 2 is executing \n";

if($case==3)

echo "case 3 is executing \n";

if($case==4)

echo "case 4 is executing \n";

if($case==5)

echo "case 5 is executing \n";

else

echo "case else is executing \n";