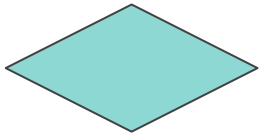
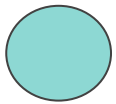
FLOWCHARTS

Flowcharts for computer programming algorithms

Flowcharts are the pictorial representations of algorithms which can be easily understood by humans as it is represented using simple english language and symbols.

Symbols used in flowcharts

Symbol	Name	Function
	Start / End	The oval symbol represents the start and end points of a flowchart.
	Arrow	The arrow indicates the direction of flow from one step to the next.
	Input/ Output	The parallelogram represents the input and output operations.
	Operation	The rectangle represents the definite process to be performed.
	Decision	The diamond holds a decision making statement.
	Connector	To connect different parts of a flowchart when they are not continuously written

To find the average of three numbers.

Algorithm

Step 1: start
Step 2: output “average of three integers”
Step 3: output “ input three numbers”
Step 4: input a,b,c
Step 5: avg =(a+b+c)/3
Step 6: output “ Average is” , avg
Step 7 : stop

Flowchart

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Step 2: output “average of three integers”

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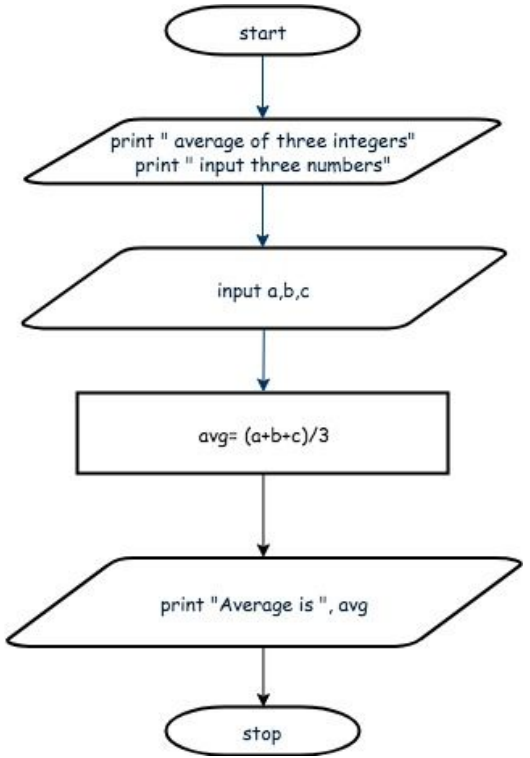
Flowchart



To find the largest of two numbers.

Algorithm

Step 1: start
Step 2: output “largest of two integers”
Step 3: output “ input two numbers”
Step 4: input a,b
Step 5: if(a>b)
Step 6: output “ a is largest”
Step 7: else
Step 8: output “ b is largest”
Step 9: stop

Flowchart

To find the largest of two numbers.

Algorithm

Step 1: start
Step 2: output “largest of two integers”
Step 3: output “ input two numbers”
Step 4: input a,b
Step 5: if(a>b)
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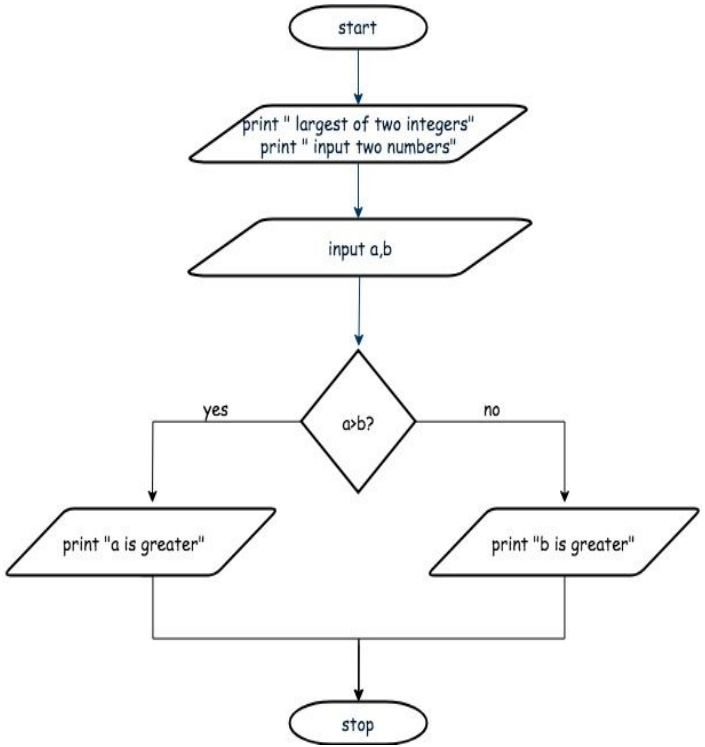
Flowchart



To find the sum of 10 integers.

Algorithm

Step 1: Start
Step 2: output “sum of 10 integers”
Step 3: output “input 10 integers”
Step 4: i=0
Step 5: sum=0
Step 6: if (i<10)
Step 7 : output “input integer
Step 8: input i
Step 9: sum=sum+i [return back to STEP 6]
Step 10: else
Step 11: output “Sum =” ,sum
Step 12: stop

Flowchart

To find the sum of 10 integers.

Algorithm

Step 1: Start
Step 2: output “sum of 10 integers”
Step 3: output “input 10 integers”
Step 4: i=0
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Step 6: if (i<10)
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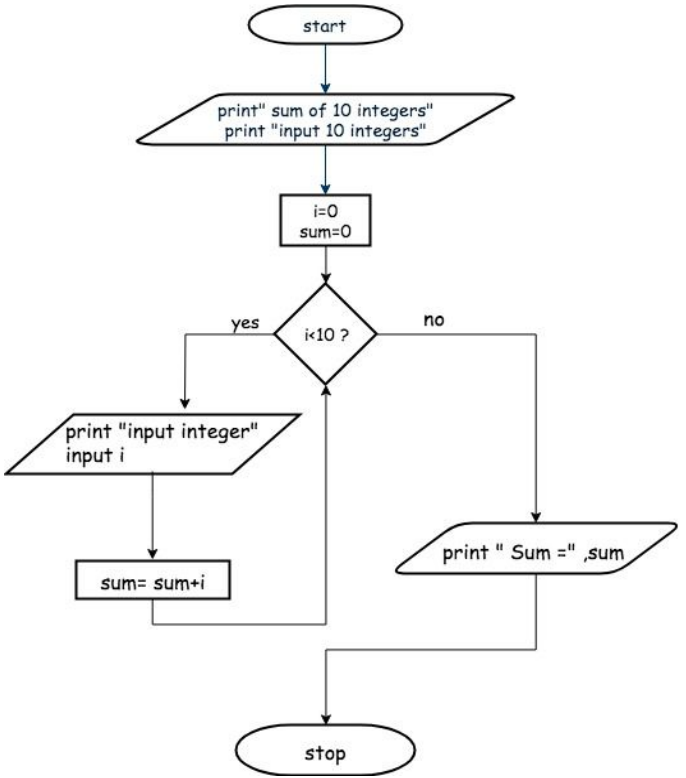
Flowchart



Practise questions

1. Calculate simple interest.
2. Print natural numbers upto a limit.
3. Print sum of even numbers upto a limit.
4. Check whether a number is positive or negative.
5. Print all prime numbers between 10 and 50.