**Algorithms**

**1.To find area of triangle**

* Start
* Read b,h
* A= (1/2)\*b\*h
* Print A
* Stop

**2.Temperature conversion**

* Start
* Read c
* F=(1.8\*c)+32
* Print F
* Stop

**3.Simple interest**

* Start
* Read p,n,r
* SI = (p\*n\*r)/100
* Print SI
* Stop

**4.Area of rectangle**

* Start
* Read b,h
* A = b\*h
* Print A
* Stop

**5.Volume of cylinder**

* Start
* Read R , h
* V=3.14\*R\*R\*h
* Print V
* Stop

**6.Volume of sphere**

* Start
* Read R
* V=3/4\*3.14\*R\*R\*R
* Print V
* Stop

**7.Quotient n Remainder**

* Start
* Read a,b
* Q=a/b
* R=a%b
* Print Q,R
* Stop

**8.Area and perimeter of of rectangle**

* Start
* Read h,b
* A = h\*b
* P = 2\*(h+b)
* Print A,P
* Stop

**9.Swapping variables**

* Start
* Read a,b
* c = a
* a=b
* b=c
* Print a,b
* Stop

**10.Provident fund calculation**

* Start
* Read basicsal
* Pf = (12/100)\*basicsal
* Print Pf
* Stop

**Decision making approach**

**1.Smallest of two numbers**

* Start
* Read a,b
* If a>b then print b otherwise print a
* Stop

**2. Biggest of two numbers**

* Start
* Read a,b
* If a>b then print a otherwise print b
* Stop

**3.Voting eligibilty**

* Start
* Read age
* If age>=18 then print “eligible” otherwise print “not eligible”
* Stop

**4.To check if no. is divisible or not**

* Start
* Read num, a,b
* If num%a=0 then print “Divisible by a”otherwise print “not Divisible by a”
* If num%b=0 then print “Divisible by b” otherwise print “not Divisible by b”
* Stop

**5.To calculate profit or loss**

* Start
* Read num, cp,sp
* P=sp-cp
* If P>0 then print “Profit” otherwise print “Loss”
* Print “P”
* Stop

**6.biggest of three numbers**

* Start
* Read a,b,c
* If a>b then check if a>c then print a otherwise print c
* If b>a then check if b>c then print b otherwise print c
* Stop

**7. Smallest of three numbers**

* Start
* Read a,b,c
* If a<b then check if a<c then print a otherwise print c
* If b<a then check if b<c then print b otherwise print c
* Stop