**(1)Compute the velocity, Vf, of an object after t seconds using its initial velocity, Vi, and**

**acceleration, a. The formula that relates these velocities and acceleration is**

**Vf = Vi + at**

**Pseudocode**

10 DECLARE Vf,Vi,a,t

20 INPUT Vi,a,t

30 Vf = Vi + at

40 PRINT Vf

**C++**

#include <iostream>

using namespace std;

int main()

{

int Vf,Vi,a,t;

cin>>Vi>>a>>t;

Vf = Vi + a\*t;

cout<<Vf;

return 0;

}

**(2)Read two numbers and print the numbers in descending order**

**Pseudocode**

10 DECLARE X,Y

20 INPUT X,Y

30 IF (X < Y) THEN

40 TMP =X

50 X = Y

60 Y = TMP

70 END IF

80 PRINT X, Y

**C++**

#include <iostream>

using namespace std;

int main()

{

int X,Y,TMP;

cin>>X;

cin>>Y;

if (X<Y)

{

TMP = X;

X = Y;

Y = TMP;

}

cout<<X;

cout<<Y;

return 0;

}

**(3)Compute total area of all walls and the roof of a cube shaped room**

**Pseudocode**

10 DECLARE a, AREA

20 INPUT a

30 AREA=6\*a\*a

40 PRINT AREA

**C++**

#include <iostream>

using namespace std;

int main()

{

int a,AREA;

cin>>a;

AREA=6\*a\*a;

cout<<AREA;

return 0;

}