**Number 1**

#include <iostream>

using namespace std;

int main()

{

int orig=125,sum=0;

while(orig<416)

{

sum=sum+orig;

orig=orig+1;

}

cout<<sum;

system("pause");

return 0;

}

**Number 2**

#include <iostream>

using namespace std;

int main()

{

int product=1,x=3,raw;

while(x<31)

{

raw=x%5;

if(raw==0)

{

product=product\*x;

x=x+1;

}

else x=x+1;

}

cout<<product;

return 0;

}

**Number 3**

#include <iostream>

using namespace std;

int main()

{

int monthly\_sales,commission,employees=0;

while(employees<10)

{

cout<<"Input monthly sales \n";

cin>>monthly\_sales;

if(monthly\_sales>120000)

{

commission=monthly\_sales\*0.1;

cout<<commission<<"\n";

employees=employees+1;

}

else if(monthly\_sales>80000)

{

commission=0.05\*monthly\_sales;

cout<<commission<<"\n";

employees=employees+1;

}

else if(monthly\_sales>20000)

{

commission=monthly\_sales\*0.02;

cout<<commission<<"\n";

employees=employees+1;

}

else cout<<"Invalid";

}

system("pause");

return 0;

}

**Number 4**

#include <iostream>

using namespace std;

int main()

{

int days=0,sum=0,orig=2;

while(days<6)

{

sum=orig+sum;

orig=orig\*2;

days=days+1;

}

cout<<sum;

system("pause");

return 0;

}

**Number 5**