**Assignment 2**

**1**

#include <iostream>

using namespace std;

int main()

{

for(int i=1;i<=10;i++){

cout << i << " ";

}

return 0;

}

**2**

#include <iostream>

using namespace std;

int main()

{

for(int i=10;i>=1;i--){

cout << i << " ";

}

return 0;

}

**3**

#include <iostream>

using namespace std;

int main()

{

int n,sum=0;

cin >> n;

for(int i=1;i<=n;i++){

sum=sum+i;

}

cout << sum << endl;

return 0;

}

**4**

#include <iostream>

using namespace std;

int main()

{

float n,sum,avg;

for(int i=1;i<=10;i++){

cin >> n;

sum=sum+n;

}

avg=sum/10;

cout << avg << endl;

return 0;

}

**5**

#include <iostream>

using namespace std;

int main()

{

int n,mul;

cin >> n;

for(int i=1;i<=12;i++){

mul=i\*n;

cout<<i<<"\*"<<n<<"="<<mul<<endl;

}

return 0;

}

**6**

#include <iostream>

using namespace std;

int main()

{

char i;

for (i = 'a'; i <= 'z'; i++)

{

cout << i <<" ";

}

return 0;

}

**7**

#include <iostream>

using namespace std;

int main()

{

int n,sum=0;

cin>>n;

while(n>0){

sum=sum+n;

cin>>n;

}

cout << sum << endl;

return 0;

}

**8**

#include <iostream>

using namespace std;

int main()

{

int n,max=0;

cin>>n;

while(n>0){

if(n>max)

max=n;

cin>>n;

}

cout << max << endl;

return 0;

}

**9**

#include <iostream>

using namespace std;

int main()

{

int n,mul=1;

cin >> n;

for(int i=1;i<=n;i++){

mul=mul\*i;

}

cout << mul << endl;

return 0;

}

**10**

#include <iostream>

using namespace std;

int main()

{

int base,exp,result=1;

cout << "base: ";

cin>>base;

cout << "exponent: ";

cin>>exp;

for(int i=1;i<=exp;i++){

result=base\*result;

}

cout <<base<<"^"<<exp<<"="<<result << endl;

return 0;

}