```
#include <iostream>
using namespace std;

int main()
{
    unsigned long long int number, answer = 1;
    while (cin >> number)
        answer *= number;
    cout << answer;
    return 0;
}</pre>
```

Question 2. Implement push, pop and find the minimum element in a stack in O(1) time complexity.

```
#include <iostream>
#include <stack>
using namespace std;
stack<int> s;
int minEle;
void min()
    if (s.empty())
        return;
    else
        cout << "Min element: " << minEle << endl;</pre>
void peek()
    if (s.empty())
        return;
    int t = s.top();
    (t < minEle) ? cout << "Top: " << minEle << endl : cout << "Top: " << t<<
endl;
}
void pop()
    if (s.empty())
        return;
    int t = s.top();
    s.pop();
    if (t < minEle)</pre>
        minEle = 2 * minEle - t;
}
void push(int x)
    if (s.empty())
        minEle = x;
        s.push(x);
        return;
    if (x < minEle)
```

```
s.push(2 * x - minEle);
        minEle = x;
    else
        s.push(x);
}
int main()
    int c;
    do
        cout << "0. Exit\n";</pre>
        cout << "1. Push\n";</pre>
        cout << "2. Pop\n";</pre>
        cout << "3. Peek\n";
        cout << "4. Get min\n";</pre>
        cin >> c;
        switch (c)
        {
        case 1:
            int x;
             cout << "Element: ";</pre>
             cin >> x;
             push(x);
             break;
         case 2:
             pop();
             break;
         case 3:
             peek();
             break;
        case 4:
             min();
             break;
    } while (c);
    return 0;
}
```