

```
/*
```

```
Program for evaluation of an integral. This program is created by Mohammad Sazzad Hossain.
```

```
*/
```

```
#include <iostream.h>
```

```
#include<math.h>
```

```
int main ()
```

```
{
```

```
    double x = 0, y = 0, f = 0;
```

```
    float intv = 0.00001, l, u;
```

```
    cout << "Lower limit: ";
```

```
    cin >> l;
```

```
    cout << "Upper limit: ";
```

```
    cin >>u;
```

```
do {
```

```
    y = x + 1;
```

```
    f += intv * y;
```

```
    x += intv;
```

```
}
```

```
while (x < u);
```

```
    cout << f << endl;
```

```
return 0;
```

```
}
```