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Solution to exercise 5.1.2

```
<sxh c> A = input("Give A : "); x = input("Give x0 : "); epsilon = input("Give epsilon : ");
```

```
n = 0; error = abs(sqrt(A) - x); while ( error >= epsilon)
```

```
x = (x + A/x)/2.0;  
error = abs(sqrt(A) - x);  
n = n+1;
```

```
endwhile printf("Value x=%g calculated with %d steps\n", x, n); printf("The error abs(sqrt(A)-x) :  
%g\n", error); </sxh>
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