

1) Write a program that takes two numbers as input from user and display GCD. Best

```
#include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{ int x, y;
```

```
cout << "Enter two integers" << endl;
```

```
cin >> x >> y;
```

```
if (x < y)
```

```
{ for (int i = x; i > 0; i--)
```

```
{ if (x % i == 0 && y % i == 0) ✓
```

```
{ cout << "GCD is " << i; }  
return 0;
```

```
}
```

```
else if (y < x)
```

```
{ for (int i = y; i > 0; i--)
```

```
{ if (x % i == 0 && y % i == 0) ✓
```

```
{ cout << "GCD is " << i;
```

```
}
```

```
}
```

```
return 0;
```

```
}
```

q.5