Task 1

Code

```
setTimeout(() => {
2
     console.log('timer')
    Promise.resolve().then(() => console.log('promise1'))
3
   }, 0)
   Promise.resolve().then(() => {
7
    console.log('promise2')
     Promise.resolve().then(() => console.log('promise3'))
8
9
   })
10
   console.log('script')
11
```

Output

```
1 script
2 promise2
3 promise3
4 timer
5 promise1
```

Explanation

- setTimeout gets called first and adds the anonymous function to the queue
- Promise.resolve() gets called next and adds the anonymous function to the end of the stack
- console.log gets called and emits the first ouput
- Next, the Promise is on top of the stack, and console.log('promise2') is called
- Promise.resolve() gets called next and adds the anonymous function to the end of the stack
- On top of the stack, now there is () => console.log('promise3')
- While the stack is now empty, we still have items in the queue: console.log('timer') gets called
- Finally, Promise.resolve().then(() => console.log('promise1')) is called