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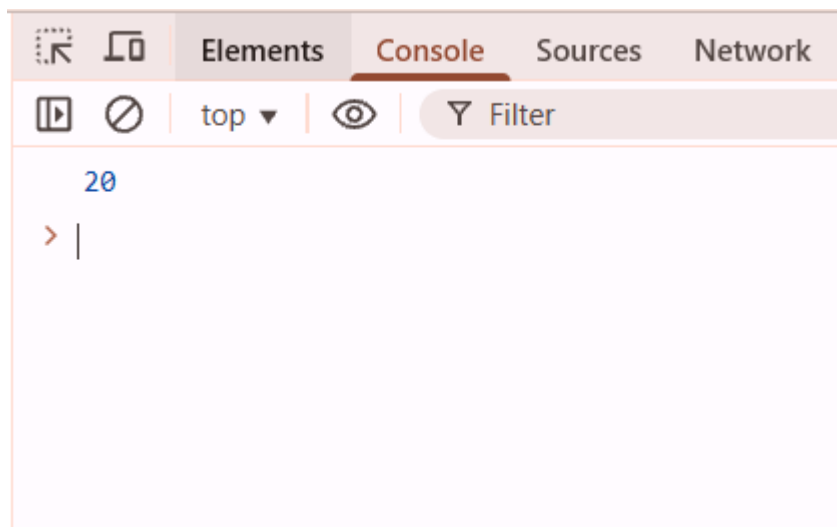
3<sup>rd</sup> Year Section B (B1)

Practical 4 Part 1 (JavaScript)


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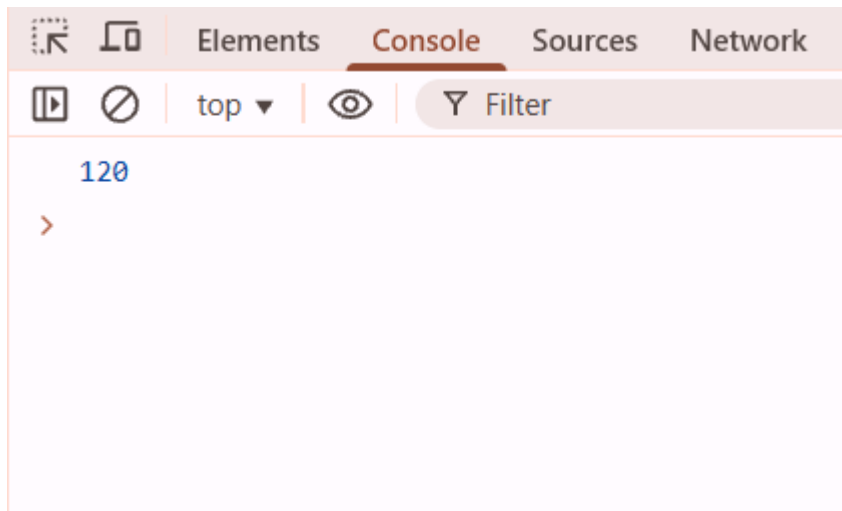
Task 1:

```
<> prac4.html > script
1  <script>
2  function getGreaterNumber(a, b) {
3      return a > b ? a : b;
4  }
5  console.log(getGreaterNumber(10, 20)); // Output: 20
6  </script>
```




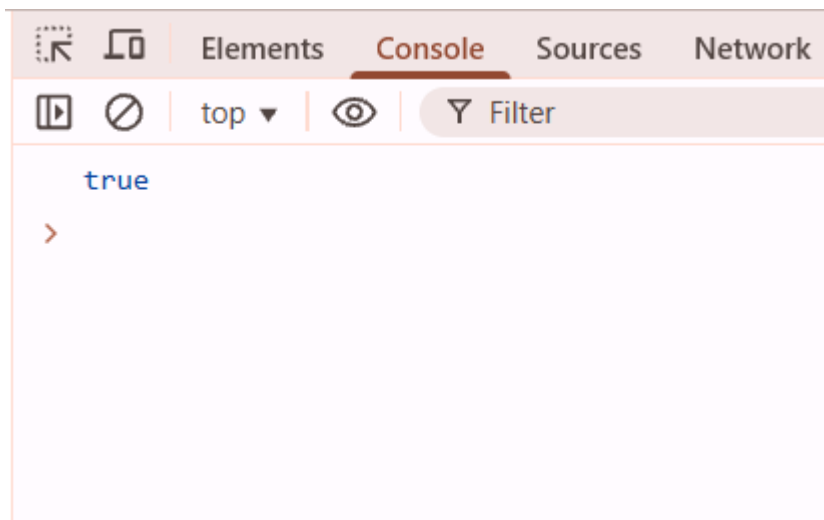
Task 2:

```
<> prac4.html >  script
1  <script>
2  const factorial = function(n) {
3      return n <= 1 ? 1 : n * factorial(n - 1);
4  };
5  console.log(factorial(5));
6  </script>
```



Task 3:

```
<> prac4.html >  script
1  <script>
2  const containsJavaScript = str => str.includes("JavaScript");
3  console.log(containsJavaScript("I love JavaScript"));
4  </script>
```



Task 4:

```
<> prac4.html > script > secretMessage
1  <script>
2  function secretMessage(password) {
3      const secret = "This is a secret message!";
4      return function(pass) {
5          if (pass === password) {
6              return secret;
7          } else {
8              return "Access Denied";
9          }
10     };
11 }
12 </script>

12 const getSecret = secretMessage("mypassword");
13 console.log(getSecret("wrongpassword"));
14 console.log(getSecret("mypassword"));
15 </script>
```

