```
main.js                    [ ]  ☾  ⚹ Share   Run

1  // 1)
2
3  const a = prompt("enter amount")
4▾ if(a<200){
5      total=("No discount")
6  }
7▾ else if(a>=200 && a<=500){
8      total=(a-(a*0.1))
9  }
10▾ else if(a>500){
11      total=(a-(a*0.2))
12  }
13▾ else{
14      total=("enter proper num")
15
16  }
17      console.log(total)
```

Output   Clear

```
node /tmp/QNUlL2A87l.js
enter amount200
180
```

```
main.js                          [ ]  ( G    Share    Run

1   // 2)
2
3   const a = prompt("temp")
4 - if(a<20){
5
6        console.log("cold")
7   }
8 - else if(a<=40 && a>=20){
9
10       console.log("moderate")
11  }
12 - else{
13
14       console.log("extreme")
15  }
```

Output   Clear

```
node /tmp/kp3ecG9erb.js
temp20
moderate
```

main.js   Share   **Run**   Output

```javascript
1  // 3)
2
3  const a= prompt("enter marks");
4  switch(true){
5      case a>=90 && a<=100:
6          console.log("A+");
7          break;
8      case a>=80 && a<=89:
9      console.log("A")
10      break;
11      case a>=70 && a<=79:
12      console.log("B")
13      break;
14      case a<70:
15          console.log("C")
16          break;
17      default:
18      console.log("enter correct marks")
19  }
```

```
node /tmp/6Xezkq8ZH1.js
enter marks90
A+
```

main.js

```javascript
1  // 4)
2
3
4  const a=prompt("enter latedays");
5  if(a<=5 && a>=1){
6      amount=(a*2)
7  }
8  else if(a<=10 && a>=6){
9      amount=(a*3)
10 }
11 else{
12     amount=(a*5)
13 }
14 console.log(amount)
```

Output

```
node /tmp/VP7c7Yvz5Z.js
enter latedays5
10
```

```
main.js                              Share    Run

1  // 5)
2
3  let favoriteFood = prompt("Enter your Favorite food: ");
4- if (favoriteFood == "pizza") {
5  console.log("Pizza lover!");
6  }
7- else if (favoriteFood == "Pasta") {
8  console.log("Pasta lover!");
9  }
10- else if (favoriteFood == "Burger") {
11  console.log("Burger lover!");
12  }
13- else {
14  console.log("Invalid")
15  }
16
```

Output   Clear

```
node /tmp/RFuqnxKQQp.js
Enter your Favorite food: pasta
Invalid
```

main.js

```javascript
// 6)

const currentDay = parseInt(prompt("Enter current day: "));
const expiryDay = parseInt(prompt("Enter expiration day: "));
if (expiryDay < currentDay) {
console.log("Item is Expired");
}
else if (expiryDay >= currentDay) {
console.log("Item is not Expired");
}
else {
console.log("Invalid");
}
```

Output

```
node /tmp/vvzOJHHTqM.js
Enter current day:
```

```js
// 7)
let arr = [2, 3, 4, 5, 6, 7, 8];
pattern = true;
for (i = 0; i < arr.length; i++) {
if (i % 2 == 0) {
if (arr[i] % 2 == 0) {
}
else {
pattern = false;
}
}
else {
if (arr[i] % 2 !== 0) {
}
else {
pattern = false;
}
}
}
if (pattern) {
console.log("pattern followed");
}
else {
console.log("pattern broken");
}
```

Output

```
node /tmp/4CiqrNEwua.js
pattern followed
```

main.js ⟦ ⟧ ☾ ⚹ Share **Run**

```javascript
1  // 8)
2
3  const balance = parseInt(prompt("Enter the balance: "));
4  const withdrawalAmount = parseInt(prompt("Enter the withdrawl amount:
       "));
5  if (balance >= withdrawalAmount) {
6  console.log("allow transaction")
7  }
8  else if (balance < withdrawalAmount) {
9  console.log("reject transaction");
10  }
11  else {
12  console.log("invalid");
13  }
```

Output   Clear

```
node /tmp/J5tFylzIlo.js
Enter the balance:
```

```js
// 9)

let number = parseInt(prompt("Enter a number: "));
sum = 0;
while (number > 0) {
rem = number % 10;
sum += rem;
number = Math.floor(number / 10);
}
if (sum % 2 == 0) {
console.log("even")
}
else {
console.log("odd")
}
```

Output

```
node /tmp/Sx037P2c5w.js
Enter a number: 2
even
```

```javascript
1  let str = prompt("Enter a string: ");
2  count = 0;
3  for (i = 0; i < str.length; i++) {
4    if (str[i].includes("i")) {
5      count++;
6    }
7  }
8  console.log(count)
```

```
node /tmp/AZt1Dw5C30.js
Enter a string: sravani
1
```