Chapter 21: Changing Case

Q1:
```
let userName = prompt("Enter your name:");
alert(userName.toUpperCase());
```

Q2:
```
let sentence = prompt("Enter a sentence:");
alert(sentence.toLowerCase());
```

Q3:
```
let word = prompt("Enter a word:");
let titleCase = word.charAt(0).toUpperCase() + word.slice(1).toLowerCase();
alert(titleCase);
```

Chapter 22: Strings: Measuring Length and Extracting Parts

Q1:
```
let phone = prompt("Your favorite mobile model:");
alert("Length: " + phone.length);
```

Q2:
```
let str = prompt("Enter something:");
alert("Last char: " + str.charAt(str.length-1));
```

Q3:
```
let word2 = prompt("Enter a word:");
alert("3rd char: " + word2.charAt(2));
```

Chapter 23: Strings: Finding Segments

Q1:
```
let word3 = prompt("Enter a word:");
alert("Index of n: " + word3.indexOf("n"));
```

Q2:
```
let sentence2 = "The quick brown fox jumps over the lazy dog";
alert(sentence2.indexOf("the"));
```

Q3:
```
let text = "Hello World";
alert("Last index of l: " + text.lastIndexOf("l"));
```

Chapter 24: Strings: Finding a Character at a Location

Q1:
```
let word4 = prompt("Enter a word:");
alert("Character at index 2: " + word4.charAt(2));
```

Q2:
```
let str2 = prompt("Enter text:");
alert("Last char: " + str2.charAt(str2.length - 1));
```

Q3:
```
let country = prompt("Enter country:");
alert("Middle char: " + country.charAt(Math.floor(country.length/2)));
```

Chapter 25: Strings: Replacing Characters

Q1:
```
let city = "Hyderabad";
alert(city.replace("Hyder","Islam"));
```

Q2:
```
let message = "Ali and Sami are best friends and they play cricket";
alert(message.replace(/and/g,"&"));
```

Q3:
```
let greet = "Hello World";
alert(greet.replace("World","Universe"));
```

Chapter 26: Rounding Numbers

Q1:
```
let num = +prompt("Enter positive decimal:");
alert(Math.round(num) + ", " + Math.floor(num) + ", " + Math.ceil(num));
```

Q2:
```
let num2 = +prompt("Enter negative decimal:");
alert(Math.round(num2) + ", " + Math.floor(num2) + ", " + Math.ceil(num2));
```

Q3:
```
alert(Math.round(3.7));
```

Chapter 27: Generating Random Numbers

Q1:
```
alert("Dice roll: " + Math.floor(Math.random()*6 + 1));
```

Q2:
```
alert("Coin toss: " + (Math.random() < 0.5 ? "Heads":"Tails"));
```

Q3:
```
alert("Random 1-100: " + Math.floor(Math.random()*100 + 1));
```

Chapter 28: Converting Strings to Integers and Decimals

Q1:
```
let str3 = "472";
let num3 = Number(str3);
alert(typeof str3 + ", " + typeof num3);
```

Q2:
```
let input = prompt("Enter number:");
alert(Number(input));
```

Q3:
```
let decimalStr = "3.14";
alert(Number(decimalStr));
```

Chapter 29: Converting Numbers to Strings

Q1:
```
let num4 = 35.36;
alert(num4.toString());
```

Q2:
```
let num5 = +prompt("Enter number:");
alert(typeof num5 + " to " + typeof num5.toString());
```

Q3:
```
let dec = 35.36;
alert(dec.toString().replace(".",""));
```

Chapter 30: Controlling the Length of Decimals

Q1:
```
let pi = 3.14159265359;
alert(pi.toFixed(2));
```

Q2:
```
let e = 2.71828;
alert(e.toFixed(3));
```

Q3:
```
let userDecimal = +prompt("Enter decimal:");
alert(userDecimal.toFixed(4));
```