

1. I asked one of my students to write a code to greet the user in three ways. He wrote the following code. This code has two major errors, find the errors. [5 pts]

```
let 1greet, 2greet, 3greet, alert;  
1greet = prompt("Enter the first greet message");  
2greet=prompt("Enter the second greet message");  
3greet=prompt("Enter the second greet message");  
alert = 1greet+"\n"+ 2greet + "\n"+ 3greet;  
alert (alert);
```

1. Write the output of the following program: [15pts]

```
let a, b, c, d, num;
a = 3;
b = 7;
c = 12;
d = 9;
b = a + b;
c = c + d + a - b;
a = b * a;
d = b - a;
num = b;
alert(num);

if (num >= 0) {
  if (num == 0)
    alert("zero");
  else {
    if (num % 2 == 0)
      alert("Even");
    else if ((num % 3) == 0)
      alert("divisible by 3");
    else
      alert("not divisible by 2 and 3");
  }
  alert(" Positive Number");
} else {
  if (num < 0)
    alert("nonzero");
  else {
    if (num % 2 == 1)
      alert("Odd");
    else
      alert("even");
  }
  alert("Negative number");
}
```

