|  |  |  |  |
| --- | --- | --- | --- |
| **Sr. No.** | **Problem** | **Solutions** | **Explanation** |
| 1. | var a = 1 + 3; | 4 | 1+3=4 |
| 2. | var b = "1" + 3; | ‘13’ | String 1 concatenate with number 3 |
| 3. | var c = "Strong" + "Engineer"; | ‘StrongEngineer’ | Two strings concatenated |
| 4. | var d = "false" + false; | ‘falsefalse’ | String concatenate with Boolean number |
| 5. | var e = "1" + true - true; | NaN | Step 1: string and Boolean (‘1true’)  Step 2: String – Boolean= NaN |
| 6. | var f = "10" - false - false - true + 2; | 11 | =“10”-0-0-1+2  =”10”+1  =11 |
| 7. | var e = "Arun" + 10.1 + 20 - 98 + true; | NaN | String – Number= NaN |
| 8. | var f = "-" + 1; | -1 | Concatenation |
| 9. | var g = Number("32") + 2; | 34 | 32+2=34 |
| 10. | var h = 2 + parseInt("ankit"); | NaN | Number+string=NaN |
| 11. | var i = "ankit" + 2 + parseInt(2) + parseFloat(33.98); | ‘ankit2233.98’ | =“ankit”+2+2+33.98  =”ankit2”+2+33.98  =”ankit22”+33.98  =”ankit2233.98” |
| 12. | var j = "10" - 2; | 8 | 10-2=8 |
| 13. | var k = "100" + -20; | ‘100-20’ | Concatenation  String 100 and number -20 |
| 14. | var l = "100" + 10 + "20" - "20" + true + true + false + -true; | 1001001 | =”100”+10+”20”-“20”+ true + true + false + -true;  =”10010”+”20”-“20”+true  =”1001020”-“20”+true  =”1001000”+true(1)= =1001001 |
| 15. | Print 1 to 10 | for(let i=1;i<=10;i++)  {  console.log(i);    } |  |
| 16. | Print 4 to 30 | for(let i=4; i<=30;i++)  {  console.log(i);  } |  |
| 17. | Print 5 to 1 | for(let i=5; i>=1;i--)  {  console.log(i);  } |  |
| 18. | Print even number from 1 to 100 | for(let i=1; i<=100; i++)  {  if (i%2==0)  {  console.log(i)  }  } |  |
| 19. | Print odd numbers from 1 to 100 | for(let i=1; i<=100; i++)  {  if (i%2!=0)  {  console.log(i)  }  } |  |
| 20. | Write factorial of 10 | var j=1  for(let i=1; i<=10; i++)  {  j=j\*i  console.log(j)    } |  |