1 . write a program to print reverse of a number by using while loop

```
 var number = +prompt("enter a number to reverse a number : ")
    sum = 0
    remainder  = 0
    while(number > 0)
    {
      remainder = number % 10;
      sum = remainder +(sum*10);
      number = Math.floor(number/10);
    }
    console.log("reverse of a given  numver " + sum);
```

o/p:
enter a number to reverse a number : 987654321
reverse of a given numver 123456789

2. write a program to check whether input 2 is available in input1
input1: 108
input 2: 8
true
input 1: 535
input 2: 6
false

```
input1 = +prompt("enter a number : ")
input2 = +prompt("enter a number to check the number is available or not in the
above number : ")
sum = ""
remainder  = 0
temp = false
while(input1 > 0)
    {
      remainder = input1 % 10;
      sum = remainder;
      if(sum == input2)
      {
          temp = true
          break;
      }
      input1 = Math.floor(input1/10);
    }
console.log(temp);
```

o/p:
enter a number : 987654321
enter a number to check the number is available or not in the above number : 3
true


```
input = +prompt("enter a number to check even or odd by using switch case
method")
```

```javascript
switch(input%2)
{
    case 0:
        console.log("given number is even ");
        break;

    case 1:
        console.log("given number is odd");
        break


    default:
    {
    console.log("invalid input ");
    }
}
```

3. write a program to check whether a number is event not by using switch statement

```javascript
input = +prompt("enter a number to check even or odd by using switch case method")
switch((Math.floor(input/2)*2 == input))
{
    case (true):
        console.log("given number is even ");
        break;

    case (false):
        console.log("given number is odd");
        break


    default:
    {
    console.log("invalid input ");
    }
}
```


o/p:

enter a number to check even or odd by using switch case method 1010
given number is even