1. Write a shell program to find if the inputted number is even or odd.

## 2. Write a shell program to compute the bill amount by applying below rules

a. if the purchase amount is less than 1000, then the applicable tax is 5% and the discount is 10%

b. if the amount is 1000 or greater then the tax applicable is 7% and the discount is 20%

3. Write a shell program to generate a Fibonacci series.

4. Write a shell program to find the greatest number of given 3 numbers

5 .Build a calculator with basic operations add, subtract, multiply and divide using shell program switch statement.

6. Write a shell program to find if the inputted year is leap or not.

7. Write a shell program to convert a decimal number to binary equivalent.

8. Write a script to swap 2 numbers using an intermediate variable.

```
#!bin/bash
echo "Enter first number: "
read num1
echo "Enter second number: "
read num2
echo "Before swaping First_Number = $num1 and Second_Number = $num2'
temp=$num1
num1=$num2
num2=$temp
echo "After swaping First_Number_= $num1 and First_Number = $num2"
~
```

9. print multiplication table of integer using while loop.

10. Write a script to read the number of rows to be displayed in the pattern and print following pattern using for loop:

1 23 456