```
devani_rushit@Devani:~$ ./practical9.sh
Enter the number of Fibonacci terms:
12
1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144
```
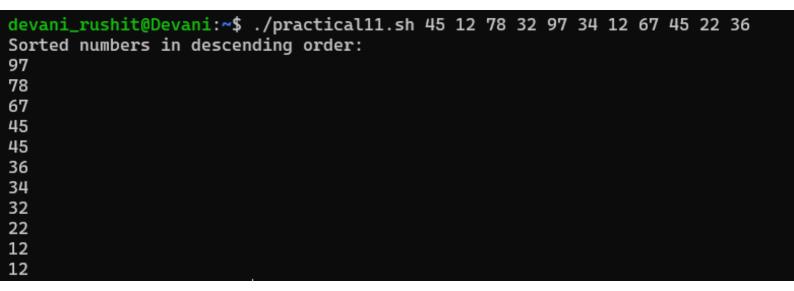
```
devani_rushit@Devani:~$ ./practical10.sh
Menu:
1. Display calendar of the this month
2. Display today's date and time
3. Display usernames currently logged in the system
4. Display your name at a given x, y position
5. Display your terminal number
6. Exit
Enter your choice: 1
      March 2025
Su Mo Tu We Th Fr Sa
                    1
 2  3  4  5  6  7  8
 9 10 11 12 13 14 15
16 17 18 19 20 21 22
23 24 25 26 27 28 29
30 31
Menu:
1. Display calendar of the this month
2. Display today's date and time
3. Display usernames currently logged in the system
4. Display your name at a given x, y position
5. Display your terminal number
6. Exit
Enter your choice: 2
Mon Mar 17 07:04:22 UTC 2025
Menu:
1. Display calendar of the this month
2. Display today's date and time
3. Display usernames currently logged in the system
4. Display your name at a given x, y position
5. Display your terminal number
6. Exit
Enter your choice: 3
devani_rushit pts/1              2025-03-17 06:34
```

```bash
#!/bin/bash

if [ $# -eq 0 ]; then
  echo "Please provide at least one number."
  exit 1
fi

numbers=("$@")

n=${#numbers[@]}


i=0
while [ $i -lt $n ]; do
  j=$((i + 1))
  while [ $j -lt $n ]; do
    if [ ${numbers[i]} -lt ${numbers[j]} ]; then
      # Swap the numbers
      temp=${numbers[i]}
      numbers[i]=${numbers[j]}
      numbers[j]=$temp
    fi
    j=$((j + 1))
  done
  i=$((i + 1))
done

echo "Sorted numbers in descending order:"
for num in "${numbers[@]}"; do
  echo "$num"
done
```

^G Help   ^O Write Out   ^W Where Is   ^K Cut   ^T Execute   ^C Location   M-U Undo   M-A Set Mark   M-] To Bracket M-Q Previous   ^B Back
^X Exit   ^R Read File   ^\ Replace   ^U Paste   ^J Justify   ^/ Go To Line M-E Redo   M-6 Copy   ^Q Where Was   M-W Next   ^F Forward

```
devani_rushit@Devani:~$ ./practical11.sh 45 12 78 32 97 34 12 67 45 22 36
Sorted numbers in descending order:
97
78
67
45
45
36
34
32
22
12
12
```

```
C:\Users\devan\OneDrive\Practical\OOP>javac practical4.java

C:\Users\devan\OneDrive\Practical\OOP>java practical4
Enter details for a full-time employee:
Name: Rushit Devani
Age: 18
Designation: Senior Developer
Salary: $90000

Enter details for a part-time employee:
Name: Herry Boy
Age: 19
Designation: Intern
Hourly Rate: $10

Employee Information:

Full-time employee:
Name: Rushit Devani
Age: 18
Designation: Senior Developer
Salary: $90000.0

Part-time employee:
Name: Herry Boy
Age: 19
Designation: Intern
Hourly Rate: $10.0
```

```
C:\Users\devan\OneDrive\Practical\OOP>javac practical4.java

C:\Users\devan\OneDrive\Practical\OOP>java practical4
Enter dimensions for triangle:
Enter dimensions:
Dimension 1: 22
Dimension 2: 12
Area of Triangle: Area: 132.0

Enter dimensions for rectangle:
Enter dimensions:
Dimension 1: 34
Dimension 2: 12
Area of Rectangle: Area: 408.0
```

```
C:\Users\devan\OneDrive\Practical\OOP>javac practical5.java

C:\Users\devan\OneDrive\Practical\OOP>java practical5.java
Area of Triangle: 7.5
Area of Rectangle: 24.0
Area of Circle: 78.53981633974483
```