

```
pritimashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % javac Six.java
pritimashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % java Six
Bitwise AND: 4
Bitwise AND: -8
Bitwise OR: 5
Bitwise OR: -1
Bitwise XOR: 1
Bitwise XOR: 7
Bitwise complement: -6
Bitwise complement: 4
```

```
pritimashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % javac Seven.java
pritimashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % java Seven
Number of invalid age: 1
Even Numbers from 1-10:
2
4
6
8
10
From 1-10:
Even numbers count: 5
Odd numbers count: 5
Sunday
Monday
Tuesday
```

```
pritimashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % javac Eight.java
pritimashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % java Eight
Enter an integer:
1
Enter a string:
Sid
Integer: 1
String: Sid
```

```
pritimashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % javac Nine.java
pritimashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % java Nine
Enter a number:
5
5 is prime
```

```
pritimashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % javac Ten.java
pritimashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % java Ten
Enter a number:
4
4 is even
```

```
pritimashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % javac Eleven.java
pritimashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % java Eleven
Prime numbers from 1 to 100:
2 3 5 7 11 13 17 19 23 29 31 37 41 43 47 53 59 61 67 71 73 79 83 89 97 %
```

```
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % javac Twelve.java
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % java Twelve

Even numbers between 300 - 500:
302 304 306 308 310 312 314 316 318 320 322 324 326 328 330 332 334 336
338 340 342 344 346 348 350 352 354 356 358 360 362 364 366 368 370 372
374 376 378 380 382 384 386 388 390 392 394 396 398 400 402 404 406 408
410 412 414 416 418 420 422 424 426 428 430 432 434 436 438 440 442 444
446 448 450 452 454 456 458 460 462 464 466 468 470 472 474 476 478 480
482 484 486 488 490 492 494 496 498 %
```

```
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % javac Thirteen.java
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % java Thirteen

Sum of first 10 natural numbers: 55
```

```
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % javac Fourteen.java
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % java Fourteen

Enter marks of subject 1: 35
Enter marks of subject 2: 99
Enter marks of subject 3: 98
Enter marks of subject 4: 89
Enter marks of subject 5: 88
Percentage: 81.8
Total Marks Obtained: 409
Result: Fail
```

```
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % javac Fifteen.java
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % java Fifteen

****RESTAURANT MENU****
1. MOMO
2. CHOWMEIN
What do you want to order?[1-2]: 1
****MOMO VARIETIES****
1. Buff Momo --> Rs 120
2. Chicken Momo --> Rs 130
What do you want to order?[1-2]: 2
You ordered chicken momo
```

```
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % javac Sixteen.java
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % java Sixteen

Enter a number[1/2]: 2
Choose BBM, BBS: BBS
FEE for BBS: Rs 350000
```

```
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % javac Seventeen.java
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % java Seventeen

0
1
2
3
4
6
7
```

```
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_BIM_Programs % javac Five.java
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_BIM_Programs % java Five
Enter a number:
5
Thursday
```

```
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_BIM_Programs % javac Six.java
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_BIM_Programs % java Six
Enter marks in five subjects:
89
88
98
86
89
Grade: A
```

```
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_BIM_Programs % javac Seven.java
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_BIM_Programs % java Seven
1. Sum
2. Multiplication
3. Division
4.Subtraction
Which operation do you want to perform?[1-4]:
3
Enter two numbers:
1
2
Division: 0.5
```

```
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_BIM_Programs % javac Eight.java
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_BIM_Programs % java Eight
Enter annual salary:
500000
Actual salary: 475000.0
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_BIM_Programs % java Eight
Enter annual salary:
510000
Actual salary: 459000.0
```

```
pritimashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % javac Eighteen.java
pritimashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % java Eighteen
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
26 27 28 29 30 31 32 33 34 35 36 37 38 39 41 42 43 44 45 46 47
48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68
69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89
91 92 93 94 95 96 97 98 99 100 %
```

```
pritimashakya@Pritishmas-MacBook-Pro Siddhartha_BIM_Programs % javac Two.java
pritimashakya@Pritishmas-MacBook-Pro Siddhartha_BIM_Programs % java Two
Enter a four-digit number:
1234
Each Individual Digit:
1
2
3
4
Sum of digits: 10
Reverse of digits: 4321
Sum of square of each digit: 30
```

```
pritimashakya@Pritishmas-MacBook-Pro Siddhartha_BIM_Programs % javac Three.java
pritimashakya@Pritishmas-MacBook-Pro Siddhartha_BIM_Programs % java Three
Enter a number:
2
2 is even
Enter a number:
5
5 is positive
Enter three numbers:
34
23
1
34 is the greatest
```

```
pritimashakya@Pritishmas-MacBook-Pro Lab_Report_2 % cd Siddhartha_BIM_Programs
pritimashakya@Pritishmas-MacBook-Pro Siddhartha_BIM_Programs % javac One.java
pritimashakya@Pritishmas-MacBook-Pro Siddhartha_BIM_Programs % java One
Enter two numbers:
1
2
Quotient: 0.5
Remainder: 1
```

```
pritimashakya@Pritishmas-MacBook-Pro Siddhartha_BIM_Programs % javac Four.java
pritimashakya@Pritishmas-MacBook-Pro Siddhartha_BIM_Programs % java Four
Enter marks in five subjects:
89
98
88
58
89
Percentage: 84.39999999999999
Division: Distinction
```

```
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % javac One.java
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % java One
Integer: 1
Float: 5.2
Character: s
Double: 3.05
Boolean: true
```

```
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_programs % javac Two.java
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_programs % java Two
Positive Integer Literal: 100
Negative Integer Literal: -100
Hexadecimal Literal: 90
Octal Literal: 10
Binary Literal: 13
```

```
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_programs % javac Three.java
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_programs % java Three
Exponential Float: 120.4
Normal Float 1.2
Boolean Literal: true
Character Literal: S
String Literals with Escape Sequence:
Next Line Character: I am
Sid
Backslash character: \
Single Quote character: '
Double Quote character: ""
```

```
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % javac Four.java
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % java Four
Integer to double: 0.0
Float to integer: 100
```

```
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % javac Five.java
pritishmashakya@Pritishmas-MacBook-Pro Siddhartha_Programs % java Five
Arithmetic Operations:
Sum: 21
Difference: -1
Product: 110
Quotient: 0
Remainder: 10
Increment Operations:
12
Decrement Operations:
9
Comparison Operations:
First number greater than or equals second number
Boolean Logical Operations:
a XOR b: true
a AND b: false
a OR b: true
NOT a: false
```