```
program10   program11.c  program2a   program2b.c  program4    p
[be21149@localhost assignment1]$ ./program1
Enter the number to find the sum of digits:123
Sum of digits is = 6
[be21149@localhost assignment1]$ ./program2
Enter the number to find odd or even123
123 is odd
[be21149@localhost assignment1]$ ./program3
Input two numbers:
1 2
1 divided by 2 is
Fraction: 1/2
Decimal: 0.500000
[be21149@localhost assignment1]$ ./program4
Enter the basic salary :
10000
Gross salary is : Rs. 17500.00
[be21149@localhost assignment1]$ ./program5
Enter n:5
1! + 2! + 3! + 4! + . . . +n! = 153
[be21149@localhost assignment1]$ ./program6
Press 1 : binary to octal
Press 2 : binary to decimal
Press 3 : binary to hexadecimal
Press 4 : octal to binary
Press 5 : octal to decimal
Press 6 : octal to hexadecimal
Press 7 : decimal to binary
Press 8 : decimal to octal
Press 9 : decimal to hexadecimal
Press 10 : hexadecimal to binary
Press 11 : hexadecimal to octal
Press 12 : hexadecimal to decimal
1
Enter the number: 101010
1012
[be21149@localhost assignment1]$ ./program6
Press 1 : binary to octal
Press 2 : binary to decimal
Press 3 : binary to hexadecimal
Press 4 : octal to binary
Press 5 : octal to decimal
Press 6 : octal to hexadecimal
Press 7 : decimal to binary
Press 8 : decimal to octal
Press 9 : decimal to hexadecimal
Press 10 : hexadecimal to binary
Press 11 : hexadecimal to octal
Press 12 : hexadecimal to decimal
5
Enter the number: 777
511
[be21149@localhost assignment1]$ ./program6
Press 1 : binary to octal
Press 2 : binary to decimal
Press 3 : binary to hexadecimal
Press 4 : octal to binary
Press 5 : octal to decimal
Press 6 : octal to hexadecimal
Press 7 : decimal to binary
Press 8 : decimal to octal
Press 9 : decimal to hexadecimal
Press 10 : hexadecimal to binary
Press 11 : hexadecimal to octal
Press 12 : hexadecimal to decimal
11
717
111000107
[be21149@localhost assignment1]$ ./program7
```

```
[be21149@localhost assignment1]$ ./program7
The armstrong numbers between 1 and 500 are:
1
153
370
371
407
[be21149@localhost assignment1]$ ./program8
These are first 10 happy numbers:
1
7
10
13
19
23
28
31
32
44
[be21149@localhost assignment1]$ ./program9
Enter the size: 3
Enter the elements of the array:
1 2 3
Swapped array:
3 2 1
[be21149@localhost assignment1]$ ./program10
Enter the size: 6
Enter the elements of the array:
1 1 2 2 3 4
Reversed array without repeted value:
4 3 2 1
[be21149@localhost assignment1]$ ./program11
Enter the marks of student 1
7 7 6 7 8
Enter the marks of student 2
4 5 5 6 4
Enter the marks of student 3
7 8 9 9 7
Enter the marks of student 4
7 7 5 5 4
Enter the marks of student 5
9 9 9 9 9
Total marks of student 1 is : 35
Total marks of student 2 is : 24
Total marks of student 3 is : 40
Total marks of student 4 is : 28
Total marks of student 5 is : 45
Highest total marks is : 45
[be21149@localhost assignment1]$
```