Northern University of Bangladesh
Software Development 1
Project Name: Number Converter

1. Decimal to Binary

Test Case	Given Input	Expected Output	Software Output	Accuracy
1	0	0	0	1
2	165	10100101	10100101	1
3	120053	11101010011110101	11101010011110101	1
4	0256	100000000	100000000	1

2. Decimal to Hexadecimal

Test Case	Given Input	Expected Output	Software Output	Accuracy
1	0	0	0	1
2	165	A5	A5	1
3	100053	186D5	186D5	1
4	0265	109	109	1

3. Decimal to Octal

Test Case	Given Input	Expected Output	Software Output	Accuracy
1	0	0	0	1
2	165	245	245	1
3	100053	303325	3003325	1
4	0265	411	411	1

4. Binary to Decimal

Test Case	Given Input	Expected Output	Software Output	Accuracy
1	0	0	0	1
2	101010101	341	341	1
3	000001	1	1	1
4	1012013	Error	Error	1

5. Binary to Hexadecimal

Test Case	Given Input	Expected Output	Software Output	Accuracy
1	0	0	0	1
2	101010101	155	155	1
3	000001	1	1	1
4	1012013	Error	Error	1

6. Binary to Octal

Test Case	Given Input	Expected Output	Software Output	Accuracy
1	0	0	0	1
2	10101001	251	251	1
3	01010011	123	123	1
4	1002100	Error	Error	1

7. Hexadecimal to Decimal

Test Case	Given Input	Expected Output	Software Output	Accuracy
1	0	0	0	1
2	1239	4665	4665	1
3	A12E5	660197	660197	1
4	123JE	Error	Error	1

8. Hexadecimal to Binary

Test Case	Given Input	Expected Output	Software Output	Accuracy
1	0	0	0	1
2	1239	1001000111001	0001001000111001	1
3	A12E	1010000100101110	1010000100101110	1
4	123JE	Error	Error	1

9. Hexadecimal to Octal

Test Case	Given Input	Expected Output	Software Output	Accuracy
1	0	0	0	1
2	1239	11071	11071	1
3	A3D3	121723	121723	1
4	A23J5	Error	Error	1

10. Octal to Decimal

Test Case	Given Input	Expected Output	Software Output	Accuracy
1	0	0	0	1
2	12036	5150	5150	1
3	1036756	277998	277998	1
4	12398	Error	Error	1

11. Octal to Binary

Test Case	Given Input	Expected Output	Software Output	Accuracy
1	0	0	0	1
2	12036	1010000011110	1010000011110	1
3	103675	1000011110111101	1000011110111101	1
4	239679	Error	Error	1

12.Octal to Hexadecimal

Test Case	Given Input	Expected Output	Software Output	Accuracy
1	0	0	0	1
2	12036	141E	141E	1
3	1036756	43DEE	43DEE	1
4	8912357	Error	Error	1