**Assignment # 4**

**Topic :** **Shell Programming – II (Looping)**

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| **Sl. No.** | **Problem** | **Remarks** |
| 1. | Write a shell script to display the digits which are in odd position in a given five digit number. |  |
| 2. | Write a shell script to reverse the digits of a number. |  |
| 3. | Write a shell script to find the sum of the digits of a number. |  |
| 4. | Write a shell script to find the position of a substring in a given string. |  |
| 5. | Write a shell script to find the GCD of two given numbers. |  |
| 6. | Write a shell script to check whether a given string is a palindrome or not. |  |
| 7. | Write a shell script to find the sum of the following series.  Sum = 1 + 1/2 + 1/3 + …… + 1/n |  |
| 8. | Write a shell script to count number of characters, words, white spaces and special symbols in a file. |  |
| 9. | Write a shell script to find the factorial of a given number. |  |
| 10. | Write a shell script to generate the Fibonacci series up to n numbers. |  |
| 11. | Write a shell script to find the number of occurrences of a particular digit in a given number. |  |

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***Signature of the Teacher***