**Programming fundamental Project list**

1. **GUI based calculator**:

Create Calculator using windows form with all functionalities of modern calculator.

1. **GUI based Converter:**   
   Create convertor using windows form with full functional conversions of temperature, weight, distance, currency and volume.
2. **GUI Notepad:**

Create a notepad with all functions WINDOWS default notepad. I-e file creating, saving, editing and word search/replace etc.

1. **(Flat file) Point of sale:**

Console based point of sale system using flat file for saving and editing records.

1. **GUI based Point of sale:**

Create GUI based point of sale system using flat file for saving and editing records.

1. **GUI based*“my dairy*”:**

Create GUI based interface for day to day record as a digital diary (with flat file saving).

1. **GUI based tic tac toe:**

Create Tic tac toe game using windows form.

1. **GUI Tiles:**Create GUI based tiles/image puzzle game, pieces of puzzle must be shift-able to complete puzzle.(score should be stored as per number of moves.)
2. **GUI based “mystickies”:**

Create sticky note using flat files with windows form and paste files with exposure on desktop.

1. **GUI based resource monitor:**

Create a GUI based resource monitor with access to system resources like battery, memory usage, brightness etc with real time monitoring.

1. **GUI based daily expenses:**

Create a record using flat files for saving the log of daily/monthly and yearly expenses.

1. **GUI based time table:**

Create a GUI interface to get (timings+class+venue) from user and create a single file with time table of user.

1. **GUI based Zakat+Tax calculator:**

Create a GUI calculator for zakat and tax (using formulae of Islamic zakat and Pakistani law tax laws respectively).

1. **GUI “my notes”:**

Create GUI based notes creation system with the log daily lectures with images etc.

1. **Palindrome checker:**

Create an application for checking palindromes in text file and create a new file consisting resultants only.

1. **Prime generator/finder:**

Create an application GUI/Console which find primes from list of random numbers. Also generate random/sequenced random number.

1. **2048 GUI game:**

Create GUI based 2048 game.(<http://2048game.com/>)

1. **Digital dictionary:**

Create GUI based word dictionary getting word as input and return meaning. (use flat files to populate dictionary).

1. **GUI word guessing:**

Create GUI based word guessing game.

1. **GUI based typing tutor:**

Create typing tutor with levels of training.

1. **Number to text/speech convertor:**

Create a little application with would take a number as input and gives it in text as output. Also reads the number in English (e-g input:243, output: two hundred and forty three).

1. **FAST NUCES Point Management System**
2. **Chatbot**

Chatbot is a simple bot written in C. The base algorithm is that our conversation is based on keywords. The bot seaches for this keyword and present a suitable response on basis of that keyword.

1. **Predictive Programming (Coding)**

Predictive coding is the use of keyword search, filtering and sampling to automate portions of an E-discovery document review. The goal of predictive coding is to reduce the number of irrelevant and non-responsive documents that need to be reviewed manually.