

# Lecture 30

Discussion



# QUIZ

قَالَ رَبِّ اشْرَحْ لِي صَدْرِي ۝  
﴿٢٥﴾

[فَالَّذِي نَسِيَ كَهُولَ دَسَّهُ مَنْ يَرَى لَيْسَ بِمَنْ يَرَى  
[فَالَّذِي نَسِيَ كَهُولَ دَسَّهُ مَنْ يَرَى لَيْسَ بِمَنْ يَرَى :

وَيَسِّرْ لِي آمْرِي ۝  
﴿٢٦﴾

[وَيَسِّرْ : اور آسان کر دے ] [لَيْسَ بِمَنْ يَرَى لَيْسَ بِمَنْ يَرَى : میرا کام ]

وَاحْلُلْ عُقْدَةً مِنْ لِسَانِي ۝  
﴿٢٧﴾

[وَاحْلُلْ : اور کھول دے ] [عُقْدَةً : گرہ ] [مِنْ : سے ] [لِسَانِي : میری زبان ]

يَفْقَهُوا قَوْلِي ۝  
﴿٢٨﴾

[يَفْقَهُوا : وہ سمجھ سکیں ] [قَوْلِي : میری بات ]

# 4 QUESTIONS / FEEDBACK / CONCERNS



INFORMATION  
TECHNOLOGY  
UNIVERSITY

# SE SECA SLIDE OF FAME

5



NO ONE  
WEEK - 1



Muhammad Daniyal  
Hammad (BSSE23046)  
WEEK - 2



Syed Hashim Abbas  
(BSSE23084)  
WEEK - 3



Umar Ahmad  
(BSSE23032)  
WEEK - 4



Umar Ahmad  
(BSSE23032)  
WEEK - 5



Fatima Noorulain  
BSSE23003  
WEEK - 6



Umar Ahmad  
(BSSE23032)  
WEEK - 7



YOUR NAME  
WEEK - 8



YOUR NAME  
WEEK - 9



YOUR NAME  
WEEK - 10



YOUR NAME  
WEEK - 11



YOUR NAME  
WEEK - 12



YOUR NAME  
WEEK - 13



YOUR NAME  
WEEK - 14



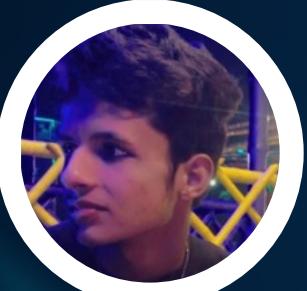
YOUR NAME  
WEEK - 15

# SE SEC B SLIDE OF FAME

6



Muhammad Mukarram  
BSSE23029  
WEEK - 1



Muhammad Abdullah  
(BSSE23087)  
WEEK - 2



Muhammad Abdullah  
(BSSE23087)  
WEEK - 3



Fasiha Rohail  
(BSSE23041)  
WEEK - 4



Muhammad Abdullah  
(BSSE23087)  
WEEK - 5



Hazira Azam  
BSSE23019  
WEEK - 6



Jamshaid Ahmed  
BSSE23012  
WEEK - 7



YOUR NAME  
WEEK - 8



YOUR NAME  
WEEK - 9



YOUR NAME  
WEEK - 10



YOUR NAME  
WEEK - 11



YOUR NAME  
WEEK - 12



YOUR NAME  
WEEK - 13



YOUR NAME  
WEEK - 14



YOUR NAME  
WEEK - 15

# RECAP

GitHub

Tools (Cygwin, IDE, GitHub)

Approach towards a word problem

Flowcharts

Flowcharts Advantages & Disadvantages

Algorithms

Pseudocode

Numbers Systems (Decimal, Binary, Octal & Hexadecimal)

Ten's Complement

Twos Complement

main function

Stream in and stream out operators

if else

Functions

Data Types

Arithmetic Operators

Relational Operators

Loops (While, for , do while)

Nested Loops

Switch cases

# RECAP

Function Overloading

Scope of variables

Function Prototype and Definition

Default Value in parameters of functions

Parameters by value vs Parameters by Reference

Recursion

Arrays

2D Arrays / Multi Dimensional Arrays

Pointers

Structs

Filing

DMA

Templates

Static Variables

Python basic mapping with C++

# DISCUSSION

