

PANIMALAR INSTITUTE OF TECHNOLOGY

Department of Computer Science and Engineering

Academic Year: 2019 - 2020 (Odd Semester)

Degree, Semester & Branch : VII Semester B.E. Computer Science and Engineering

Course(Subject) Code & Title : CS6004 Cyber Forensics

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Type of Activity: Reflection

Activity Description:

Reflective Learning is a process where teachers think over their teaching practices, analyzing how something was taught and how the practice might be improved or changed for better learning outcomes.

The activity is conducted as the part of teaching. The students wrote their doubts and topics which they are not clear. The papers are collected by the teacher and discussed the doubts in next class. The teacher also provided a written explanation on the papers collected from the students for future reference.

Why is reflection important in teaching?

Teachers who explore their own teaching through critical reflection develop changes in attitudes and awareness which they believe can benefit their professional growth as teachers, as well as improve the kind of support they provide their students.

Q.1. Suppose the string of octets [0008 02fe] forms an MPI. The length of the MPI in bits [00000000 00001000] or $n = 2^3 + 2^0$ in octets. Identify the actual integer value of the MPI

Key:-
1. Octets = 16 bit
2. $[2^3 + 2^0] = 13$ and 10 octets

ANS:-
Convert 02fe into Decimal number

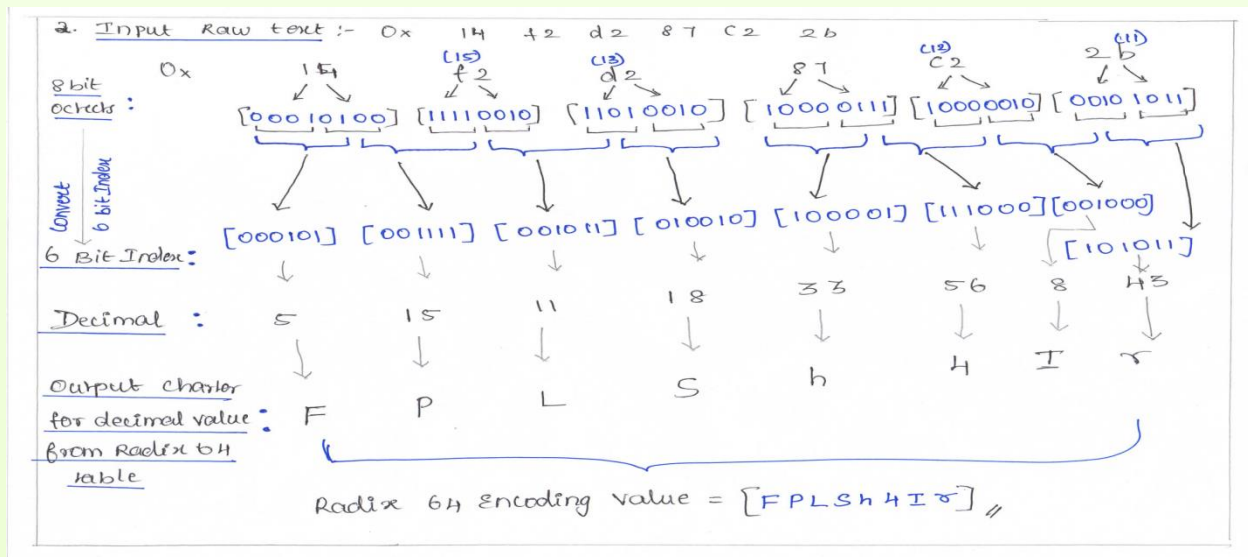
$$02fe = 0 \times 16^3 + 2 \times 16^2 + f \times 16 + e \times 16^0$$
$$= 0 + 2 \times 256 + (15 \times 16) + (14 \times 1)$$
$$= 0 + 512 + 240 + 14$$
$$= 766$$

\therefore The actual Integer Value of the MPI = 766 //

$\therefore F = 15$
A-10
B-11
C-12
...
Z=36

$16^0 = 1$ -> Anything to power 0 is 1

$C = 14$



Observation Made:

- Some of the students finding difficulties for understand the typedef in c.
- Some of the students unaware of the basic operations in linked list, so felt very difficult to understand the polynomial addition using linked list.

Outcome of the Session:

- Activity helps the teacher to analyze, evaluate and improve their own learning.
- It helps to develop creative thinking skills for the student.

Action taken:

- Explanation is written in all the students' paper and common doubts among students are discussed and explained.