

## DAILY ASSESSMENT FORMAT

Date:	18-06-2020	Name:	Nichenametla Bhargavi
Course:	C Programming	USN:	4AL17EC061
Topic:	1: Basic Concept 2: Conditionals & Loops 3: Functions, Array & Pointers 4: Strings & Function Pointers	Semester & Section:	6th Sem A Sec
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### SESSION

Image of session

The screenshot shows a web-based tutorial interface. At the top, there's a blue header with a white curly brace icon, the text 'Basic Concepts Data Types', and 'XP 7'. Below the header is a navigation bar with several blue arrows, some containing question marks, and a green arrow pointing right. The main content area has a title 'Constants' and a paragraph explaining that a constant stores a value that cannot be changed from its initial assignment. It mentions that using constants with meaningful names makes code easier to read and understand, and that a common practice is to use uppercase identifiers. Below this, it states that one way to define a constant is by using the **const** keyword in a variable declaration. A code block shows a C program snippet: 

```
#include <stdio.h>

int main() {
    const double PI = 3.14;
    printf("%f", PI);

    return 0;
}
```

 To the right of the code block is a green button labeled 'Try It Yourself'. Below the code block, there's a paragraph stating that the value of PI cannot be changed during program execution and that another assignment statement like `PI = 3.141` would generate an error. At the bottom, a yellow box contains the text: 'Constants must be initialized with a value when declared.'

**Report – Report can be typed or hand written for up to two pages.**

## **C Programming :**

- C programming basic commands to write a C program.
- A simple C program with output and explanation.
- Steps to write C programs and get the output.
- Creation, Compilation and Execution of a C program.
- How to install C compiler and IDE tool to run C programming codes.
- Basic structure of a C program.
- Example C program to compare all the sections.
- Description for each section of the C program.
- C programs ( [Click here for more C programs](#) ) with definition and output – C program for Prime number, Factorial, Fibonacci series, Palindrome, Swapping 2 numbers with and without temp variable, sample calculator program and sample bank application program etc.
- Once C compiler is installed in your machine, you can create, compile and execute C programs as shown in below link.
- If you don't want to install C/C++ compilers in your machine, you can refer online compilers which will compile and execute C/C++ and many other programming languages online and display outputs on the screen.

### **Conditional Statements:**

- \* if statement
- \* switch statement
- \* while loop
- \* for loop
- \* do while loop
- \* break and continue

**Different types of Functions, Arrays, String functions and Pointers are discussed.**

Quiz was taken on each topic.

