COURSE CODE: CIT215

COURSE TITLE:

A program heading is for definitions and----------------

declarations.

The words INPUT and OUTPUT are in this context called the Program-------

Parameters.

The word symbol VAR also indicates the beginning of the declarations of the names or identifiers to be used for --------------- data.

VARIABLE

------------------are little programs you can embed into your web pages to be downloaded or run within the browsers of the page visitors.

Java applets

----------------are larger pictures having a number of hyperlinks embedded within them.

Image Maps

---------------are used to divide your website into a set of separate areas, each of which can display a different file and be changed independently.

Frames

"!=" is an ------------operator in C++ programming

equality

"<" is a --------------operator in C++ programming

Relational

" =" is an --------------operator in C++ programming

Assignment

"&&" is a ----------------- operator in C++ programming

Logical

"&" is a ---------------- operator in C++ programming

Bitwise

"<<" is a --------------operator in C++ programming

Shift

"%" represents -------------------in C++ programming

Assign remainder

"/" is an operator for -----------------in C++ programming

Division

"+" is an ----------------operator

Additive

In C++ programming the fixed size of float is ---------------------

Four

In C++ programming the fixed size of double is --------------------

Eight

In C++ programming the fixed size of char is

One

In programming -------------------statements are used to specify the variable types.

Declaration

The include lines are used to "include" the ---------------files.

Header

In C++ programming, a comment is started using a

Comments

Generally, it is a good programming practice to start your program with

meaningful comments. Just as there are ways of inserting comments in

other languages, C++ also has its own way of identifying a comment. In

C++ language, you begin your comment with the two characters (or

double slash):

//

The end of the line is simply the end of your comment. Analogously,

the original C language uses the two characters:

/*

to begin your comment and the two characters:

*/

to end the comment.

In order terminate the REPEAT loop, the digit ---------------is used

Zero

An operation that transforms data is represented by --------------in data flow diagram

Bubble

---------------shows the major elements of a program and their relationships to each other

Structure Chart"

-------------- words generally describe the operations to be performed by the computer

Reserved

----------------variables is defined as collections of characters

String

Character variable refers to memory locations containing

character

-----------variables are simply those that represent numbers.

Numeric

Generally in BASIC, variable names must start with a letter and can befollowed with

numbers

The BASIC Interpreter or Compiler handles variables as names of -----------.

memory locations.

---------------- remains one of the best programming tools gaining wide acceptance.

BASIC language

Dependence on program to always do what it has been designed to do is known as

Reliability

---------------is the process of removing errors in your programs .

debugging.

A positive, negative or zero number without a decimal point is called

Integer Constant

-------------------- Testing separate components or modules as they are being developed is called

Unit

The type of application that requires only a single data window is referred to

SDI

Actions such as double-clicking an icon in a VB program are referred to as

Another name for path programming is ------------------------------programming

Backtracking

---------------- chart is a type of chart concerned with WHAT is done rather than HOW it is done

HIPO

------------is the BASIC statement used to transfer control to a program subroutine.

GOSUB statement

---------------is described as the documentation of all the work done in program development

Program Documentation and Maintenance

The documentation of all the work done in program development is a vital aspect of a project

Agree

Actions such as double-clicking an icon in a VB program are referred to as which of the following?

EVENTS

In MATLAB, which command is used to clear the command window?

dc

In Pascal, which of the following is the value of SQR(2)?

4

One of the major strengths of a computer is its ability to repeat selected instructions with different **data**.

Which of the following constructs is used for comments in Pascal programs?

{}

In MATLAB, which command is used to list the current variables?

who

Which of the following statements terminates a Pascal program?

END.

The WHILE ... DO statement is another iterative statement available in Pascal.

Agree

IF(D <4) can be translated into FORTRAN as which of the following?

IF(D.LT.4)

A program characterized by one entry point and one exit point is called which of the following?

Proper

Which of the following is a valid INTEGER variable name in Fortran?

JOS

Comments in a flowchart are represented using which of the following?

Open rectangle

X=INT(SQR(2)). Which of the following is the value of X in the BASIC program?

1

The 2 types of programs that make up an operating system are which of the following?

Control and processing programs

Y=SQR(2). Which of the following is the value of Y in the BASIC program?

1.414

In C++ programming the fixed size of jut is _____

2

A=10. WHILE (A <10){ PRINT "HI"; }. How many times will "HI" be printed by the program?

0

Which type of testing involves testing separate components of a program as they are being developed?

Unit testing

Another name for path programming is which of the following?

backtracking programming

Each statement of a Python program is translated to machine code as it is executed. Thus Python is which of the following?

Interpreted

Which of the following structures characterizes repetition of operations in a program?

Iterative structures

Which of the following is an example of a special purpose programming language?

Apple WPL

Which of the following statements can lead to spaghetti code and is thus discouraged in structural programming languages?

GOTO

In a Data flow diagram, which of the following represents a file or source of information?

Sink

Which chart type is concerned with WHAT is done rather than HOW it is done?

HIPO charts

In a Data flow diagram, which of the following represents an operation that transforms data?

Circle

Preparation/Initialization activities are represented in flowcharts by which of the following symbols?

Hexagon

Processes in ANSI-style flowcharts are represented using which of the following shapes?

Rectangles

Which phase of program development begins with recongizing a need for information by an organization or user?

Problem definition

A C program is translated completely in machine code before it is executed. Thus C is which of the following?

Compiled

Which of the following FORTRAN keywords is used to define constants?

CONST

Which of the following is not a category of selection structures?

None of the options

Which of the following BASIC keywords must appear when defining arrays with over 100 elements?

DIM

Printed output in an ANSI-stype flowchart is represented using which of the following shapes?

Curve-sided Quads

Users make use of which of the following to navigate between webpages on a website?

Hyperlinks

An assembly language program with 5 instructions will produce how many machine language instructions when it is executed?

None of the options

Which of the following is used to execute a BASIC program?

Interpreter

Which of the following techniques involves writing top level programs modules first and lower levels subsequently in descending order?

 Level programming

Flow directions in a flowchart are represented using which of the following?

Flowlines only

Which of the following is considered the first high-level language?

FORTRAN

A simple 4GL contains the following layers EXCEPT?

None of the options

Which assertion is true under the execution of a step in an algorithm irrespective of the number of times the step is repeated?

Invariant assertion

Which of the following HTML tags marks the start of a new line?

BR

Which criterion describes an algorithm in which each step must terminate after a finite number of steps?

 Finiteness criterion

Which of the following tags yields the largest font size in HTML?

H1

A 3GL-style logical representation of an algorithm is called which of the following?

Pseudocode

Forward slash(/) in HTML is an example of which of the following?

Closing tag

C++ statements can be _____ or executable

Declaration

Which of the following symbols in BASIC is used to represent NOT EQUAL TO?

<>

C++ programs can be said to majorly consist of the following except

None of the options

Which of the following symbols is used in BASIC as an INPUT statement prompt?

?

In C++ programming the fixed size of long is _____

4

A rectangle with double vertical bars represents which of the following in an ANSI-style flowchart?

Predefined process

One of these is not a category of binary operators

None of the options

Which of the following is NOT a common form of representing algorithms?

None of the options

REPEAT and UNTIL statements act as delimiters in the same way as BEGIN and END statements.

Agree

The commonly used Pascal library functions and procedures are classified as follows except_____

None of the options

The REPEAT statement is very similar to the WHILE statement

Agree

Which of the following describes the documentation of all the work done in program development?

 Program Documentation