**Assignment 1**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | If 23 should be treated as long int what should be the correct way of representing it? | | | | | | | | | | | | | | |
|  | **23L** | | | | | | | | | | | | | | |
|  | Which is the incorrect way of declaring float? | | | | | | | | | | | | | | |
|  | 1. float f=5.; | | | | | 1. float f=5.0; | | | | 1. float f=5,55.55; | | | | | 1. float f = -.055; |
|  | 3 | | | | | | | | | | | | | | |
|  | If count is a variable that is used to store the number of students in a class which is the correct way of declaring it | | | | | | | | | | | | | | |
|  | 1. int count; | | 1. unsigned int count; | | | | | | | 1. double count; | | | | | 1. long int count; |
|  | 2 | | | | | | | | | | | | | | |
|  | Which is the default data type used by C Compiler for floating point constants? | | | | | | | | | | | | | | |
|  | **Double** | | | | | | | | | | | | | | |
|  | char ch=’A’; What does **ch** contain? | | | | | | | | | | | | | | |
|  | 1. A | | | | | | | | | 1. ASCII Code of A | | | | | |
| 1. Binary equivalent of ASCII code of A | | | | | | | | | 1. Decimal equivalent of A | | | | | |
|  | **2** | | | | | | | | | | | | | | |
|  | Which is true? | | | | | | | | | | | | | | |
| 1. Derived data type is built from one or more basic data types. | | | | | | | | | 1. Pointer is a derived data type. | | | | | |
|  | **Both** | | | | | | | | | | | | | | |
|  | What should be used if range of double is not enough to accommodate the given real number? | | | | | | | | | | | | | | |
|  | **Long double** | | | | | | | | | | | | | | |
|  | What is stored in a character variable? | | | | | | | | | | | | | | |
|  | **Unicode character** | | | | | | | | | | | | | | |
|  | If you do not want to return anything from a function, the return type of the function should be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. | | | | | | | | | | | | | | |
|  | **Void** | | | | | | | | | | | | | | |
|  | Which is correct? | | | | | | | | | | | | | | |
| 1. short int I; | | | | | | | | | 1. short I; | | | | | |
|  | **Both** | | | | | | | | | | | | | | |
|  | What is the output of the code snippet? | | | | | | | | | char c=296;  printf("%d %c", c, c);  return 0; | | | | | |
|  | **40 (** | | | | | | | | | | | | | | |
|  | What is the output of the code snippet? | | | | | | | | | char ch='\t';  printf("%c5",ch); | | | | | |
|  | **5** | | | | | | | | | | | | | | |
|  | What is the output of the code snippet? | | | | | | | | | int x=-0777;  printf("%d\n",x); | | | | | |
|  | **-511** | | | | | | | | | | | | | | |
|  | What is the output of the code snippet? | | | | | | | | | int n = + - 1234;  printf("%d\n",n); | | | | | |
|  | **-1234** | | | | | | | | | | | | | | |
|  | What is the output of the code snippet? | | | | | | | | | double d = (double)'a';  printf("%0lf\n",d); | | | | | |
|  | **97.000000** | | | | | | | | | | | | | | |
|  | What is the output of the code snippet? | | | | | | | | | float t = 24.45;  int b = (int)f;  printf("5%d 4.%.f\n",b,t); | | | | | |
|  | **566 4.24** | | | | | | | | | | | | | | |
|  | How should the variable be declared in the code snippet? | | | | | | | | | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  a=04.32;  return 0; | | | | | |
|  | **float a;** | | | | | | | | | | | | | | |
|  | Which is an invalid octal constant? | | | | | | | | | | | | | | |
| 1. 025 | 1. 0387 | | | | | 1. 0562 | | | | | | 1. 01 | | |
|  | **2** | | | | | | | | | | | | | | |
|  | Which is an invalid hexadecimal constant? | | | | | | | | | | | | | | |
| 1. 0X345 | 1. 0X45H3 | | | | | 1. 0XAA345 | | | | | | 1. 0XFFFF | | |
|  | **2** | | | | | | | | | | | | | | |
|  | What is the output of the code snippet given? | | | | | enum day  {  Sunday,  Monday=-1,  Tuesday,  Wednesday=6  };  printf("%d%d%d%d\n",Wednesday, Sunday, Tuesday, Monday ); | | | | | | | | | |
|  | **6 0 0 -1** | | | | | | | | | | | | | | |
|  | Determine which are valid identifiers. If invalid explain the reason | | | | | | | | | | | | | | |
| 1. record1 | | | 1. 1record | | | | 1. file\_3 | | | | 1. return | | | |
| 1. $tax | | | 1. name | | | | 1. name and address | | | | 1. name\_and\_address | | | |
| 1. name-and-address | | | 1. 123-45-6789 | | | |  | | | |  | | | |
|  | Assuming that C compiler can recognize only first 8 characters of an identifier name. Which of the following pairs of identifier names are considered to be identical and which are distinct? | | | | | | | | | | | | | | |
| 1. name, names | | | | | 1. list1, list2 | | | | | 1. address, Address | | | | |
| 1. answer, ANSWER | | | | | 1. identifier\_1, identifier\_2 | | | | | 1. char1, char\_1 | | | | |
|  | Determine which are valid constants and specify whether they are real or integer and also specify the base. | | | | | | | | | | | | | | |
| 1. 0.5 | | | | 1. 27,822 | | | | 1. 9.3e12 | | | | | 1. 9.3e-12 | |
| 1. 12345678L | | | | 1. 0515 | | | | 1. 0XBCFDAL | | | | | 1. 0x87e3ha | |
|  | Point out the error in the following program.  **const variables have to be initialized.** | | | | | | | | main()  {  const int x;  x = 128;  printf("%d",x);  } | | | | | | |
|  | What is the output?  **128** | | | | | | | | int y = 128;  const int x = y;  printf("%d",x); | | | | | | |
|  | What is the output?  **Error due to redeclaration of y** | | | | | | | | int y = 10000;  int y = 34;  printf("Hello World! %d\n", y); | | | | | | |
|  | Which of the following is not a valid variable name declaration and why? | | | | | | | | | | | | | | |
| 1. float PI = 3.14; | | | | 1. double PI = 3.14; | | | | 1. **int PI = 3.14;** | | | | | 1. **#define PI 3.14** | |
|  |  | | | |  | | | | It should be an integer | | | | | It is text substitution | |
|  | What is the output?  **3** | | | | | | | | int main()  {  int main = 3;  printf("%d", main);  return 0;  } | | | | | | |
|  | What is the output?  **14** | | | | | | | | int ThisIsVariableName = 12;  int ThisIsVariablename = 14;  printf("%d", ThisIsVariablename); | | | | | | |
|  | What is the output?  **97.000000** | | | | | | | | float x = 'a';  printf("%f", x); | | | | | | |