**C Language Live Community Classes Assignment 4grinning face**

1. Write a C program to print ***Hello Students*** on the screen.
2. Write a C Program to print ***Hello*** on the first line and ***Students*** in the second line.
3. Write a C program to print “***MySirG***” on the screen
4. Write a C program to print “***Teacher’s Day***” on the screen
5. Write a C program to print ***\n*** on the screen
6. Write a C program to print ***%d*** on the screen

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| **Answer 1 to 6** |
| #include<stdio.h> |
| #include<conio.h> |
| int main() |
| { |
| printf("Hello Students \n"); // Output Hello Students |
| printf("Hello\nStudents \n"); // first line Hello ,Second line Students |
| printf("MySirG \n"); //MySirG |
| printf("Teacher's Day \n"); // Teacher's Day |
| printf(" \\n \n"); // /n |
| printf("%d %d"); |
| getch(); |
| } |

1. Write a C program containing declaration of three variables (of type int, char and float), also assign some values to them and print values of all three variables using single printf().

|  |
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| #include<stdio.h> |
| #include<conio.h> |
| int main() |
| { |
| int a=3; |
| float b=3.25; |
| char c='C'; |
| printf("int a=%d \nfloat b=%f \nchar c=%c\n",a,b,c); |
| getch(); |
| } |

1. Explore following format specifiers on internet - ***%i, %g, %lf***

% i = Integer ,% g =Float , % lf = double

1. Write a C program to print character stored in a char variable, also print its ASCII code.

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| --- |
| #include<stdio.h> |
| #include<conio.h> |
| int main() |
| { |
| char c='C'; |
|  |
| printf("char c ASCII code is = %d \n",c); //ASCII c = 67; |
| getch(); |
| } |

1. How to convert a Decimal number into a Binary number and vice versa.

- **Decimal 10 – (…)2 Decimal(10) to Binary equivalent is 1010**

|  |  |  |
| --- | --- | --- |
|  |  | **Reminder** |
| **2** | **10** | **0** |
| **2** | **5** | **1** |
| **2** | **2** | **0** |
|  | **1** | **1** |

- **Binary 1010 – (…)10 Binary(1010) to Decimal equivalent is 10**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | **27** | **26** | **25** | **24** | **23** | **22** | **21** | **20** |
|  |  | **128** | **64** | **32** | **16** | **8** | **4** | **2** | **1** |
|  |  | **-** | **-** | **-** | **-** |  | **-** |  | **-** |
| **Binary** | **1010** |  |  |  |  | **1** | **0** | **1** | **0** |
|  |  |  |  |  |  | **8** | **+ 0** | **+ 2** | **+ 0** |
|  |  |  |  |  |  |  | **8** | **+** | **2** |
| **Decimal** | **10** |  |  |  |  |  |  | **10** |  |

***\*\*\*\*\*\*\*\*\*\* Note:- Please provide the GitHub Links \*\*\*\*\*\*\*\*\*\****