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**Assignment – 6 C Language LIVE Community Classes MySirG.**

1. **Write a program to print size of an int, a float, a char and a double type variable?**
2. #include<stdio.h>
3. int main(){
4. int age = 56;
5. float pi = 34.56;
6. char name = 'M';
7. double price = 50000;
8. printf("The size of int is: %d\n", sizeof(age));
9. printf("The sie of float is : %d\n", sizeof(float));
10. printf("The size of char is: %d\n", sizeof(char));
11. printf("The size of double is: %d\n", sizeof(double));
12. return 0;
13. }

**2. Write a program to find last digit of a given number?**

#include <stdio.h>

int main() {

int x;

int y;

printf("Enter the one number: ");

scanf("%d",&x);

 y = x % 10;

 printf(" The last number is: %d\n",y);

  return 0;

}

**4. Write a program to find middle digit of a given three digit number?**

#include<stdio.h>

int main(){

int x;

int y;

printf("Enter the thee digit of Number: ");

scanf("%d",&x);

y= x%100/10;

printf("The middle number is: %d",y);

return 0;

}

**5. Write a program to swap values of two int variables?**

#include<stdio.h>

int main(){

int x = 34;

int y = 43;

int z;

z = x;

x = y;

y = z;

printf(" the valule of x: %d and y: %d",x,y);

return 0;

}

**6. Write a program to swap values of two int variables without using third variable?**

#include<stdio.h>

int main(){

int a = 20;

int b = 10;

 a = a+b;

 b = a-b;

  a = a-b;

printf(" the valule of x: %d and y: %d",a,b);

return 0;

}

**7. Write a program to make the last digit of a number stored in a variable as zero.**

**(Example - if x=2345 then make it x=2340)?**

#include<stdio.h>

int main(){

int x = 2345;

int y = 23450;

int z;

z = x;

x = y;

y = z;

printf("The value of x is : %d",x);

return 0;

}

**8. Write a program to input a number from the user and also input a digit. Append a**

**digit in the number and print the resulting number. (Example - number=234 and**

**digit=9 then the resulting number is 2349)?**

#include <stdio.h>

int main() {

  int number, digit;

  printf("Enter a number: ");

  scanf("%d", &number);

  printf("Enter a digit: ");

  scanf("%d", &digit);

  int appended\_number = number \* 10 + digit;

  printf("The resulting number is: %d\n", appended\_number);

  return 0;

}

**9. Assume price of 1 USD is INR 76.23. Write a program to take the amount in INR and**

**convert it into USD.?**

#include <stdio.h>

int main() {

float x;

float y;

 printf(" Enter the Amount in INR: ");

 scanf("%f",&x);

 y = x / 76.23;

 printf(" INR convert in USDT: %f",y);

  return 0;

}

**10. Write a program to take a three digit number from the user and rotate its digits by one**

**position towards the right.?**

#include <stdio.h>

int main() {

  int number, hundreds\_digit, tens\_digit, units\_digit, rotated\_number;

  printf("Enter a three digit number: ");

  scanf("%d", &number);

  hundreds\_digit = number / 100;

  tens\_digit = number % 100 / 10;

  units\_digit = number % 10;

  rotated\_number = (hundreds\_digit \* 100) + (tens\_digit \* 10) + units\_digit;

  // Shift the hundreds digit to the units digit.

  rotated\_number = rotated\_number % 1000 + (hundreds\_digit / 10);

  // Shift the tens digit to the hundreds digit.

  rotated\_number = rotated\_number % 100 + (tens\_digit \* 10);

  printf("The rotated number is: %d\n", rotated\_number);

  return 0;

}

**< ------------------------------------ Assignment NO 6 Completed------------------------------------------------->**