**OBJECT ORIENTED CONCEPT & PROGRAMMING**

**(SE-201) LAB-2**

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**Exercise:-**

**Q1:-**

#include<iostream>

using namespace std ;

void calculation(int x, int y){

int sum;

float average;

sum = x + y;

average = sum/2;

cout<<"Sum is "<< sum << endl;

cout<<"Average is "<< average << endl;

}

int main(){

int num1 , num2;

cout<<"Enter First Number : ";

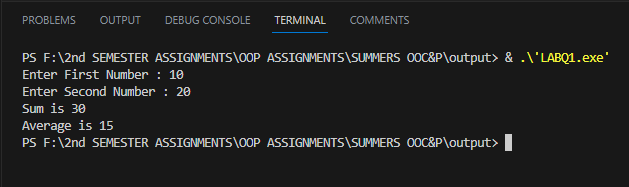
cin>>num1;

cout<<"Enter Second Number : ";

cin>>num2;

calculation( num1 , num2 );

return 0;

}

**Q2:-**

#include<iostream>

using namespace std;

int main(){

float height;

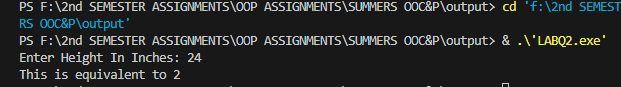
cout<<"Enter Height In Inches: ";

cin>>height;

height = height/12;

cout<<"This is equivalent to "<<height<<endl;

}



**Q3:-**

#include<iostream>

using namespace std;

int main(){

int time\_seconds;

int hrs, min, sec;

cout<<"Enter Time in Seconds: ";

cin>>time\_seconds;

hrs = time\_seconds /3600;

cout<<"Time in Hours is "<< hrs<<endl;

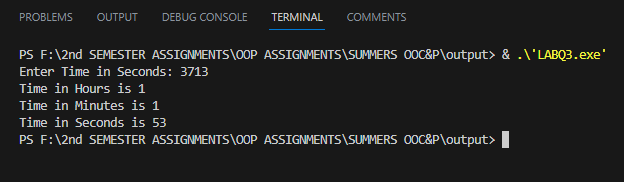
min = (time\_seconds % 3600)/60;

cout<<"Time in Minutes is "<< min <<endl;

sec = time\_seconds % 60;

cout<<"Time in Seconds is "<< sec <<endl;

}



**Q4:-**

#include<iostream>

using namespace std;

int main(){

int amount;

cout<<"Enter Amount In Rupees: ";

cin>>amount;

cout<<"1000's in the Given amount is: "<< amount/1000<<endl;

cout<<"500's in the Given amount is: "<< (amount%1000)/500<<endl;

cout<<"100's in the Given amount is: "<< ((amount%1000)%500)/100<<endl;

cout<<"50's in the Given amount is: "<< (((amount%1000)%500)%100)/50<<endl;

cout<<"10's in the Given amount is: "<<

((((amount%1000)%500)%100)%50)/10<<endl;

cout<<"5's in the Given amount is: "<<

(((((amount%1000)%500)%100)%50)%10)/5<<endl;

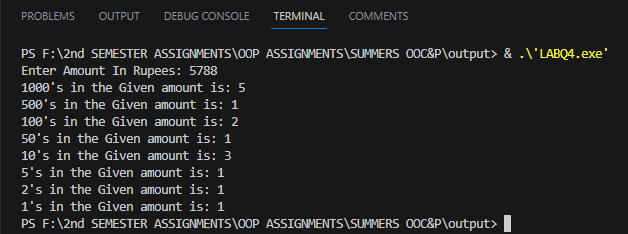
cout<<"2's in the Given amount is: "<<

((((((amount%1000)%500)%100)%50)%10)%5)/2<<endl;

cout<<"1's in the Given amount is: "<<

(((((((amount%1000)%500)%100)%50)%10)%5)%2)/1<<endl;

}

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**Q5(i):-**

#include<iostream>

using namespace std ;

int main () {

float temp;

cout<<"Enter Temperature in Fahrenheit ";

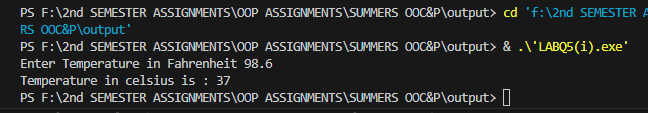
cin>>temp;

temp = 5\*(temp-32)/9;

cout<<"Temperature in celsius is : "<< temp ;

return 0;

}



**Q5(ii):-**

#include<iostream>

using namespace std ;

int main () {

float temp;

cout<<"Enter Temperature in Celsius : ";

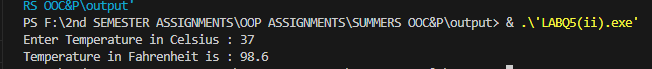
cin>>temp;

temp = (9\*temp)/5+32;

cout<<"Temperature in Fahrenheit is : "<< temp ;

return 0;

}

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**Q6:-**

#include<iostream>

using namespace std;

int main () {

int num;

cout<<"Enter Two digit Number: ";

cin>>num;

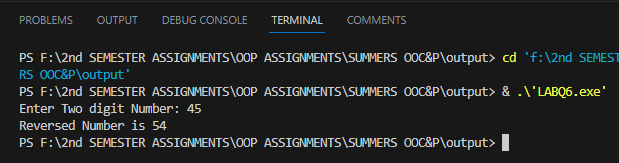
int unitNum = num % 10;

int tenthNum = num /10;

cout<<"Reversed Number is "<< unitNum\*10 + tenthNum<<endl;

return 0;

}



**Q7:-**

#include<iostream>

using namespace std;

int main () {

char chTen;

char chUnit;

cout<<"Enter a two digit Number: ";

cin>>chTen>>chUnit;

int valueTen = chTen - '0';

int valueUnit = chUnit - '0';

cout<<"Numeric value is "<<valueTen\*10 + valueUnit<<endl;

return 0;

}

