**LAB TASK # 3**

**Question # 1 :**

**INPUT :**

#include <conio.h>

#include <iostream>

using namespace std;

int fact(int\* pt1)

{

int fact = 1;

for (int i = 1; i <\* pt1; i++)

{

fact = fact \* i;

}

return fact;

}

int main()

{

int num = 10;

int\* pt1;

pt1 = &num;

cout << fact(pt1);

}

**OUTPUT :**



**Question # 2 :**

**INPUT :**

#include <conio.h>

#include <iostream>

using namespace std;

int main()

{

int sum[5];

int arr1[5] = { 1,2,3,4,5 };

int arr2[5] = { 6,7,8,9,10 };

int\* pt1;

int\* pt2;

pt1 = arr1;

pt2 = arr2;

for (int i = 0; i < 5; i++)

{

sum[i] = (\*pt1++) + (\*pt2++);

}

cout << "The sum of two arrays is : ";

cout << "{";

for (int i = 0; i < 5; i++)

{

cout << sum[i];

while (i != 4)

{

cout << ",";

break;

}

}

cout << "}";

}

**OUTPUT :**



**Question # 3 :**

**INPUT :**

#include<iostream>

#include<cmath>

using namespace std;

int main() {

double const PI = 3.142;

double radius;

double\* const ptr = &radius;

cout << "Enter radius of circle : " ;

cin >> radius;

cout << "Area of circle is : " << PI \* \*ptr \* \*ptr;

}

**OUTPUT :**



**Question # 4 :**

**INPUT :**

#include <iostream>

#include <conio.h>

using namespace std;

int main()

{

int a = 2;

int\* pt1;

pt1 = &a;

for (int i = 1; i < 11; i++)

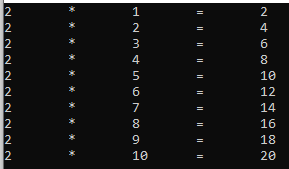
{

cout << a << "\t" << "\*" << "\t" << i << "\t" << "=" << "\t" << \*pt1 \* i << endl;

}

}

**OUTPUT :**



**Question # 5 :**

**INPUT :**

#include <iostream>

#include <conio.h>

using namespace std;

int sum(int\* pt1, int\* pt2)

{

int result;

result = \*pt1 + \*pt2;

return result;

}

int diff(int\* pt1, int\* pt2)

{

int result;

result = \*pt1 - \*pt2;

return result;

}

int mul(int\* pt1, int\* pt2)

{

int result;

result = \*pt1 \* \*pt2;

return result;

}

int div(int\* pt1, int\* pt2)

{

int result;

result = \*pt1 / \*pt2;

return result;

}

int main()

{

int num1, num2;

int\* pt1, \* pt2;

cout << "Enter value for number 1 :"; cin >> num1;

cout << "Enter value for number 2 :"; cin >> num2;

pt1 = &num1;

pt2 = &num2;

string a;

cout << "Which operation you want to perform :"; cin >> a;

if (a == "add" || a == "Add" || a == "ADD")

{

cout << "The sum of number 1 and number 2 is : " << sum(&num1, &num2) << endl;

}

else if (a == "sub" || a == "Sub" || a == "SUB")

{

cout << "The diff of number 1 and number 2 is : " << diff(&num1, &num2) << endl;

}

else if (a == "mul" || a == "Mul" || a == "MUL")

{

cout << "The mul of number 1 with number 2 is : " << mul(&num1, &num2) << endl;

}

else if (a == "div" || a == "Div" || a == "DIV")

{

cout << "The div of number 1 by number 2 is : " << div(&num1, &num2) << endl;

}

\_getch();

return 0;

}

**OUTPUT :**

