Mini exam 4

Name, Neptun code …………………………………

1. What is the result of the program?

#include <stdio.h>

int add(int par) {

par += par;

return par;

}

int add2(int p1, int p2) {

return p1 + p2;

}

int main(void) {

int var = 0;

var = add2(2,4);

var = add(var);

var = add2(var,var);

printf("%d",var);

return 0;

}

Result: …………………………….

1. What is the result of the program?

#include <stdio.h>

int add(int par) {

par += par;

return par;

}

int add2(int p1, int p2) {

return p1 + p2;

}

int main(void) {

int var = 0;

var = add2(add(3),add(4));

var = add2(var,var);

printf("%d",var);

return 0;

}

Result: …………………………….

1. What is the result of the program?

#include <stdio.h>

int f1(int v) {

v \*= v;

return v;

}

int f2(int p1, int p2) {

return p1 / p2;

}

int main(void) {

int v = 0;

f1(f1(f2(4,2)));

printf("Result: %d",v);

return 0;

}

Result: …………………………….

4. What is the result of the program?

#include <stdio.h>

int fun(int n) {

return n-1;

}

int main(void) {

printf("%d",fun(fun(fun(fun(fun(fun(3)))))));

return 0;

}

Result: …………………………….

5. Look at the following program converting decimal to hexadecimal. Based on this program, create a function which converts a decimal number to hexadecimal and call this function in the main().

#include<stdio.h>

main()

{

int dec;

int i=0;

printf("Enter decimal: \n");

scanf("%d", &dec);

char arr[32];

while(dec>0)

{

arr[i]=dec%16;

dec=dec/16;

i++;

}

for(int j=i-1; j>=0; j--)

{

printf("%x", arr[j]);

}

}