**ALAA BARKA : TP2**

**Excercice 1 :**

#include <stdio.h>

int main () {

    printf("ESSTHS");

    return 0;

}

**Excercice 1.1.2 :**

#include <stdio.h>

int main () {

*/\**

*Instruction d'affichage d'unn message sur l'ecran*

*\*/*

    printf("ESSTHS");

    return 0;

}

**Excercice 1.1.5 :**

#include <stdio.h>

int main () {

    printf("ESSTHS \n");

    printf("je suis en premiere annee ");

    printf("License Informatique \n");

}

**Excercice 1.1.6 :**

Retourne a la ligne

**Excercice 1.2 :**

#include <stdio.h>

int main () {

    printf("\nbonjour \0 ESSTHS");

    printf("\n Bonjour \a ESSTHS \n");

}

|  |  |  |  |
| --- | --- | --- | --- |
| Caractere speciale | Correspondance | Caractere speciale | Correspondance |
| \0 | NULL | \r | Carriage return |
| \a | ALERT | \t | Horizental tab |
| \b | BACK SPACE | \v | Vertical bar |
| \f | Form feed | \\ | \ |
| \n | New line | \’ | ‘ |

**Excercice 1.3.1 :**

98

1890

0

37

1

1

1

252

13

1

1

0

0

**Excercice 1.3.3**

#include <stdio.h>

int main()

{

    int a = 20, b = 5, c = -10, d = 2, x = 12, y = 15;

    printf("*%d* \n", (5 \* x) + 2 \* ((3 \* b) + 4));

    printf("*%d* \n", (5 \* (x + 2) \* 3) \* (b + 4));

    printf("*%i* \n", a == (b = 5));

    printf("*%d* \n", a += (x + 5));

    printf("*%d* \n", a != (c \*= (-d)));

    printf("*%d* \n", a %= d++);

    printf("*%d* \n", a %= ++d);

    printf("*%d* \n", (x++) \* (a + c));

    printf("*%d* \n", a = x \* (b < c) + y \* !(b < c));

    printf("*%d* \n", !(x - d + c) || d);

    printf("*%d* \n", a && b || !0 && c && !d);

    printf("*%d* \n", ((a && b) || (!0 && c)) && !d);

    printf("*%d* \n", ((a && b) || !0) && (c && (!d)));

    return 0;

}

**Excercice 1.4.1**

12

12 -> post- incr

14 -> pres incr

14 post-decr

12 pres-decr

12

**Excercice 1.4.3**

#include <stdio.h>

int main()

{

    int x, y, res;

    x = y = 6;

    res = x + y;

    printf("x=*%i* \t y= *%i* res = *%i* \n ", x, y, res);

    res = x++ + y;

    printf("x=*%i* \t y= *%i* res = *%i* \n ", x, y, res);

    res = ++x + y;

    printf("x=*%i* \t y= *%i* res = *%i* \n ", x, y, res);

    res = x-- + y;

    printf("x=*%i* \t y= *%i* res = *%i* \n ", x, y, res);

    res = --x + y;

    printf("x=*%i* \t y= *%i* res = *%i* \n ", x, y, res);

    res = x + y;

    printf("x=*%i* \t y= *%i* res = *%i* \n ", x, y, res);

}

**Exercice 1.5**

#include <stdio.h>

int main()

{

    int x, y;

    printf("Swapp Enter X ! \n");

    scanf("*%d*", &x);

    printf("Enter Y! \n");

    scanf("*%d*", &y);

    printf("X = *%d* and Y = *%d* \n", x, y);

    x = x \* y;

    y = x / y;

    x = x / y;

    printf("X = *%d* and Y = *%d* \n", x, y);

}

**Exercice 1.6**

#include <stdio.h>

int main()

{

    float rayon;

    printf("Enter the R \n");

    scanf("*%f*", &rayon);

    float per = 2 \* PI \* rayon, surf = rayon \* rayon \* PI;

    printf("The perm is *%f* and the surface is *%f*", per, surf);

}

**Exercice 1.7**

#include <stdio.h>

int main()

{

    float math, algo, exam, ds, moy;

    printf("Enter the ds and the exam of math !  \n");

    scanf("*%f*", &ds, &exam);

    math = 0.4 \* ds + 0.6 \* exam;

    printf("Enter the ds and exam  of algo !  \n");

    scanf("*%f*", &ds, &exam);

    algo = 0.4 \* ds + 0.6 \* exam;

    moy = (math + algo) / 2;

    printf("Th moy is : *%f*", moy);

}

**Exercice 1.8**

#include <stdio.h>

int main()

{

    char thing;

    thing = getchar();

    putchar(thing);

}