ALAA BARKA : TP2

Excercice 1 :

```c
#include <stdio.h>
int main () {

    printf("ESSTHS");
    return 0;
}
```

Excercice 1.1.2 :

```c
#include <stdio.h>
int main () {
    /*
    Instruction d'affichage d'unn message sur l'ecran
    */
    printf("ESSTHS");
    return 0;
}
```

Excercice 1.1.5 :

```c
#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 :

```c
#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

```c
#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

```c
#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

```c
#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

```c
#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

```c
#include <stdio.h>
int main()
{
    char thing;
    thing = getchar();

    putchar(thing);
}
```