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Exercício 1

```
#include<stdio.h>

int main()
{

      int a = 0;
      int r = 2;

      while (1)
      {
            sleep(1);
            printf("%d\n", a);
            a = a + r;
      }
      return 0;
}
```

Exercício 2

```
#include<stdio.h>

int main()
{

      int a = 1;
      int r = 3;

      while (1)
      {
            sleep(1);
            printf("%d\n", a);
            a = a * r;
      }
      return 0;
}
```

Exercício 3

```
#include<stdio.h>

int main()
{
      int r = 2;
      int a = 1;

      while ( a < 1000 )
      {
            sleep(1);
            printf("%d\n", a);
            a = a * r;
      }

}
```

Exercício 4

```
#include<stdio.h>

int main()
{

      int a = 1;
      int r = 2;
      int i = 0;
      int soma = 0;

      while (i < 10)
      {
            sleep(1);
            printf("a_%d = %d\n", i, a);
            soma = soma + a;
            a = a + r;
            i = i + 1;
      }

      printf("soma = %d\n", soma);

      return 0;

}
```

Exercício 5

```
#include <stdio.h>

int main()
{

	int fx;
	int x;

	for (x = 1; x <= 10; x++)
	{
		sleep(1);
		fx = 3*x - 5;
		printf("f(%d) = %d\n", x, fx);
	}

}
```

Exercício 6

```
#include <stdio.h>
#include <math.h>

#define EPSILON 1.0e-4

int main()
{

	float a = 1, b = 2, c = 5;
	float fx;
	float x;


	for (x = 0.0; (x - 10.0) <= EPSILON; x = x + 0.05)
	{
		fx = a*x*x + b*x + c;
		printf("f(%.2f) = %5.20lf\n", x, fx);
	}

}
```