

//Write a C/C++ program to set up a real-time clock interval timer using the alarm API.

//Its a C program. SAvE the file with .c extension

```
#include<signal.h>
```

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

```
#include<unistd.h>
```

```
#include<errno.h>
```

```
void wakeup()
```

```
{
```

```
    printf("Hello\n");
```

```
    printf("-----\n");
```

```
}
```

```
int main()
```

```
{
```

```
    int i;
```

```
    struct sigaction action;
```

```
    action.sa_handler=wakeup;
```

```
    action.sa_flags=SA_RESTART;
```

```
    sigemptyset(&action.sa_mask);
```

```
    if(sigaction(SIGALRM, &action, 0)==-1)
```

```
    {
```

```
        perror("sigaction");
```

```
    }
```

```
    while(1)
```

```
    {
```

```
        alarm(5);
```

```
        pause();
```

```
        printf("Waiting For Alarm\n");
```

```
    }
```

```
    return 0;
```

```
}
```