

Programming using C

Highlights 11:: Approximate PI - casting

```
#include <stdio.h>

#include <stdlib.h>

main()

{

    int i,k=1;

    float term, pi = 0;

    for(i=0;i<20;i++)

    {

        term = (double) k*4/(2*i+1);

        pi = pi+term;

        k = -1*k;

    }

    printf("pi approximated: %f",pi);

}
```