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Title: The First 100,000 Prime Numbers

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Release Date: June 20, 2008 [EBook #65]

Language: English

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100,000 PRIME NUMBERS ***

The First 100,000 Prime Numbers

This file contains the first 100,000 primes as well as the C program (frightfully primitive as it may be) which is used to calculate them. They

were calculated at using a Cray X-MP.

Program Begins

```
#include "stdio.h" #include "math.h"
```

```
int number;
```

```
main()
```

```
{
    printf("Which number do you wish to start the test with? ");
    scanf("%d",&number);
    printf("\n");
    printf("I'm starting with number %d\n",number);
    if (number<1) number=1;
    if (number==1) printf("1\n");
    if (number<=2) printf("2\n");
    if (!(number % 2)) number++;
    if (number==1) number=3;
    do
    {
        if (isprime(number)) printf("%d\n",number);
        number+=2;
    }while (1) ;
}
```

```
isprime(int thenumber)
```

```
{
    int isitprime=1,loop;
    for(loop=3 ; (isitprime) && (loop<=(sqrt(thenumber)+1)) ; loop+=2)
        isitprime = (thenumber % loop);
    return(isitprime);
}
```

Program Ends

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[1 is not a prime by many definitions of prime]

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