

```

#include <unistd.h>
int ft_atoi(char *str)
{
    int result = 0;
    int sign = 1;
    while (*str == ' ' || (*str >= 9 && *str <= 13))
        str++;
    if (*str == '-')
        sign = -1;
    if (*str == '-' || *str == '+')
        str++;
    while (*str >= '0' && *str <= '9')
    {
        result = result * 10 + *str - '0';
        str++;
    }
    return (sign * result);
}

```

```

void ft_putnbr(int nb)
{
    char c;
    if (nb < 0)
    {
        nb = -nb;
        write(1, "-", 1);
    }
    if (nb < 10)
    {
        c = nb + '0';
        write(1, &c, 1);
    }
    else
    {
        ft_putnbr(nb / 10);
        ft_putnbr(nb % 10);
    }
}

```

```

int is_prime(int nb)
{
    int i = 2;
    if (nb <= 1)
        return (0);
    while (i <= (nb / 2))
    {
        if (!(nb % i))
            return (0);
        else
            i += 1;
    }
    return (1);
}

```

```

/* *****Another way to write is_prime
int is_prime(int num)
{
    int i = 3;
    if (num <= 1)
        return (0);
    if (num % 2 == 0 && num > 2)
        return (0);
    while (i < (num / 2))
    {
        if (num % i == 0)
            return 0;
        i += 2;
    }
    return 1;
}
** *****/

```

```

int main(int argc, char *argv[])
{
    int nb;
    int sum;
    if (argc == 2)
    {
        nb = ft_atoi(argv[1]);
        sum = 0;
        while (nb > 0)
            if (is_prime(nb--))
                sum += (nb + 1);
        ft_putnbr(sum);
    }
    if (argc != 2)
        ft_putnbr(0);
    write(1, "\n", 1);
    return (0);
}

```