program bin\_to\_hexadecimal;

var

noOFDigits: int8;

decimal: uns32;

#include("stdlib.hhf")

begin bin\_to\_hexadecimal;

stdout.put(nl,"Enter no. of Digits [max. 32]: ");

stdin.get(noOFDigits);

mov(0,edx);

while( noOFDigits >0 ) do

stdin.getc();

stdout.put(nl,"Enter binary digits: ");

stdin.getc();

if(al=$30) then

shl(1, edx);

sub(1,noOFDigits);

endif;

if(al!=$30 && al=$31) then

shl(1, edx);

or( %0000\_0000\_0000\_0000\_0000\_0000\_0000\_0001, edx );

sub(1,noOFDigits);

endif;

if(al!=$30 && al!=$31) then

stdout.put(nl,"Invalid. Enter 0's and 1's",nl);

endif;

endwhile;

stdout.put(nl,"Your binary to Hexadecimal is: $",edx,nl);

push( edx );

pop( decimal);

stdout.put(nl,"Your binary to Decimal is: ",decimal,nl);

end bin\_to\_hexadecimal;