

Project 03-02

ITSC202 - secure Programming Fundamentals

Using paper, write a program to show the memory content at given address in hexadecimal and binary, name it **dumpcodesect.c**

The program will print the content of .text section in memory starting from the address of **main()**

It will print COUNT number of words (32-bit unsigned integers). Define following symbolic variables:

```
#define COUNT 10
```

To get the address of main() as a pointer, use following construct:

```
unsigned int *p = (void *) main;
```

Even though our machines are 64-bit, we will use word length of 32 bits. Choose the proper variable to implement it. Follow the formatting as per the example:

```
0040057d: 0xe5894855 1110 0101 1000 1001 0100 1000 0101 0101  
00400581: 0x20ec8348 0010 0000 1110 1100 1000 0011 0100 1000  
00400585: 0x48ec7d89 0100 1000 1110 1100 0111 1101 1000 1001  
00400589: 0x48e07589 0100 ...
```