CSC 2400: Buffer Overflow Attacks (2)

Consider the following program that uses the unsafe **gets** function:

```c
#include <stdio.h>

void Echo()
{
  char buf[4];
  gets(buf);
  puts(buf);
}

void Water()
{
  printf("\nGot some water?\n");
  exit(1);
}

void Fire(int x, int y)
{
  printf("\nGot into Fire(%d, %d)!\n", x, y);
}

int main()
{
  printf("\nType a string:\n");
  Echo();
  return 0;
}
```

Provide an exploit string (as hexadecimal digits) that forces the following sequence of functions to execute when **Echo** terminates:

```
Fire(0xAA, 0xBB);
Water();
```

Test it on felix.