Name: Saishnu Ramesh Kumar

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **#** | **Before** | | **Instruction** | **After** | | **Opcode** | **Number**  **of**  **Bytes** |
|
|  | EAX  EBX | FF FF FF E4  00 00 00 02 | mul ebx | EAX  EDX  CF  OF | FF FF FF C8  00 00 00 01  1  1 | F7 | 2 |
|  | EAX  value(DWORD) | FF FF FF E4  FF FF FF 3A | mul value | EAX  EDX  CF  OF | 00 00 15 A8  FF FF FF 1E  1  1 | F7 | 6 |
|  | EAX  EBX | FF FF FF E4  00 00 04 C2 | imul ebx | EAX  EDX  CF  OF | FF FF 7A C8  FF FF FF FF  0  0 | F7 | 2 |
|  | EAX  value(DWORD) | FF FF FF E4  FF FF FF 3A | imul value | EAX  EDX  CF OF | 00 00 15 A8  00 00 00 00  0  0 | F7 | 6 |
|  | EBX  ECX | 00 00 00 17  00 00 00 B2 | imul ebx, ecx | EBX  CF  OF | 00 00 0F FE  0  0 | 0F | 3 |
|  | EBX | 00 00 04 C2 | imul ebx, -10 | EBX  CF  OF | FF FF D0 6C  0  0 | 6B | 3 |
|  | EAX  EDX | FF FF FF  C8  00 00 00 64 | imul eax, edx, 10 | EAX  CF  OF | 00 00 03 E8  0  0 | 6B | 3 |
|  | EDX  EAX  EBX | 00 00 00 00  00 00 00 9A  00 00 00 0F | idiv ebx | EDX  EAX | 00 00 00 00  00 00 00 9A | F7 | 2 |
|  | AX  count(BYTE) | FF 75  FC | idiv count | AX | 00 6A FF 75 | F6 | 6 |
|  | AX  count(BYTE) | FF 75  FC | div count | AX | Unhandled exception: Integer Overflow | F6 | 6 |