64bit ALP to Accept and display number: Anom Devgun

Gr:21810017

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| --- |
| %macro scall 4 |
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| --- |
| mov rax,%1 |
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| --- |
| mov rdi,%2 |
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|  |
| --- |
| mov rsi,%3 |
|  |

|  |
| --- |
| mov rdx,%4 |
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| --- |
| syscall |
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| --- |
| %endmacro |
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| --- |
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| --- |
| section .data |
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| --- |
| m1 db "enter 64 bit number$",10d ,13d |
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|  |
| --- |
| l1 equ $-m1 |
|  |

|  |
| --- |
| m2 db "entered 64 bit number is:$",10d, 13d |
|  |

|  |
| --- |
| l2 equ $-m2 |
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| --- |
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| --- |
| section .bss |
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| --- |
| num resq 1 |
|  |

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| --- |
| section .text |
|  |

|  |
| --- |
| global \_start |
|  |

|  |
| --- |
| \_start: |
|  |

|  |
| --- |
| scall 1,1,m1,l1 |
|  |

|  |
| --- |
| scall 0,0,num,17 |
|  |

|  |
| --- |
| scall 1,1,m2,l2 |
|  |

|  |
| --- |
| scall 1,1,num,17 |
|  |

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| --- |
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| --- |
| mov rax,60 |
|  |

|  |
| --- |
| mov rdi,0 |
|  |

syscall