

## **Faculty of Computing**

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**Subject:** Computer Architecture

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**Department:** BSCS 04

# Riphah International University Islamabad Campus

#### Computer Architecture

## Lab Task

## Task 1:

START:

**INP** 

OUT

CLA

OUT

HLT

Name	Width			Data	1
AC	16	0000	0000	1010	1010
AR	12	0000	0000	0001	

Name	Width			Data	i
AC	16	0000	0000	0000	0000

#### Task 2:

START:

**INP** 

OUT

CMA

OUT

HLT

Name	Width			Data
	1.6	0000		
AR	12	0000	0000	0001

EXECUTING...
Enter Inputs, the first of which must be an Integer: 204

Name	Width			Data	1
AC	16	1111	1111	0011	0011
N. C.	12.2	10000	10000	2000	

	Task 3:
INP	
INC	
INC	
INC	
OUT	
HLT	
Output: 4	the first of which must be an Integer: 1 TED NORMALLY due to the setting of the bit(s): [HALT-BIT]
	Task 4:
INP	
SPA	
OUT	
TITO	
HLI	
EXECUTING Enter Inputs, the EXECUTION HALTED D	first of which must be an Integer:5 UE TO AN EXCEPTION: There are currently no predefined inputs from the user of type long.  the first of which must be an Integer: -5
EXECUTING Exter Inputs, the EXECUTION HALTED DISTRIBUTION HALTE	UE TO AN EXCEPTION: There are currently no predefined inputs from the user of type long.  the first of which must be an Integer: -5
EXECUTING Enter Inputs, the EXECUTION HALTED DE EXECUTION EXECUTING Enter Inputs, Output: -819	UE TO AN EXCEPTION: There are currently no predefined inputs from the user of type long.  the first of which must be an Integer: -5
EXECUTING Enter Inputs, the EXECUTION HALTED DISCRIPTION HALTED DIS	The the first of which must be an Integer: -5  The the first of which must be an Integer: -5  The the setting of the bit(s): [HALT-BIT]
EXECUTING Enter Inputs, the EXECUTION HALTED DE EXECUTION EXECUTING Enter Inputs, Output: -819	The the first of which must be an Integer: -5  The the first of which must be an Integer: -5  The the setting of the bit(s): [HALT-BIT]

#### **Computer Architecture**

```
EXECUTING...
Enter Inputs, the first of which must be an Integer: -5
Output: 0
EXECUTION HALTED NORMALLY due to the setting of the bit(s): [HALT-BIT]
```

```
EXECUTING...
Enter Inputs, the first of which must be an Integer: -4
EXECUTION HALTED NORMALLY due to the setting of the bit(s): [HALT-BIT]
```