



## DAILY ONLINE ACTIVITIES SUMMARY


<b>Date:</b>	20/5/2020		<b>Name:</b>	Afrah Saleem	
<b>Sem &amp; Sec</b>	8 <sup>th</sup> Sem B section		<b>USN:</b>	4AL16CS127	
<b>Online Test Summary</b>					
<b>Subject</b>	Internet of Things				
<b>Max. Marks</b>	30		<b>Score</b>	25	
<b>Certification Course Summary</b>					
<b>Course</b>	Practical java course: zero to one				
<b>Certificate Provider</b>	Udemy		<b>Duration</b>	4 hrs	
<b>Coding Challenges</b>					
<b>Problem Statement:</b>					
1. Write a C Program to Reverse a Linked List in groups of given size.					
2. Python program to exchange the values of two numbers using ^ (exclusive or operator)					
3. Write Python Program to Reverse a Given Number:					
<b>Status: Completed</b>					
<b>Uploaded the report in Github</b>			<b>Yes</b>		
<b>If yes Repository name</b>			<b>Afrah</b>		
<b>Uploaded the report in slack</b>			<b>yes</b>		

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## Online Test Details:

, your MCQ result is ready  Inbox 



TechGig 9:30 AM  
to me 






Hi ,

You have scored **25 marks** in **MCQ**.

[See Assessment](#)

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About The Assessment







IOT IA1

Round 1 ends on: 20 May, 2020

Warm Regards,  
TechGig Team

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## Online Certification details:


















360P CC 1.0X

1:39 2:18

and type in Java dash version.

Lectures More

- 16 ☒ Introduction   
 Video - 00:59 mins
- 17 ☒ Your first Java code   
 Video - 04:54 mins - Resources (1)
- 18 ☒ How to get the source code?   
 Video - 02:17 mins
- 19 ☒ How Java code builds up?   
 Video - 04:46 mins - Resources (1)
- 20 ☒ Variables   
 Video - 07:09 mins
- 21 ☒ Data types - Primitives   
 Video - 05:19 mins
- 22 ☒ Data types - Primitives - CODING   
 Video - 17:36 mins - Resources (1)
- ☒ Data types - Primitives: Conversion 

## Coding Challenges Details:

### Program 1

```
struct Node
{
    int data;
    struct Node* next;
};

// pointer to the new head node. /
struct Node reverse (struct Node head, int k)
{
    struct Node current = head;
    struct Node next = NULL;
    struct Node prev = NULL;
    int count = 0;

    while (current != NULL && count < k)
    {
        next = current->next;
        current->next = prev;
        prev = current;
        current = next;
        count++;
    }

    if (next != NULL)
        head->next = reverse(next, k);

    return prev;
}

void push(struct Node** head_ref, int new_data)
{

```

```
struct Node* new_node =  
(struct Node*) malloc(sizeof(struct Node));
```

```
new_node->data = new_data;
```

```
new_node->next = (*head_ref);
```

```
(*head_ref) = new_node;
```

```
}
```

```
void printList(struct Node *node)
```

```
{
```

```
while (node != NULL)
```

```
{
```

```
printf("%d ", node->data);
```

```
node = node->next;
```

```
}
```

```
}
```

```
int main(void)
```

```
{
```

```
struct Node* head = NULL;
```

```
push(&head, 8);
```

```
push(&head, 7);
```

```
push(&head, 6);
```

```
push(&head, 5);
```

```
push(&head, 4);
```

```
push(&head, 3);
```

```
push(&head, 2);
```

```
push(&head, 1);
```

```
printf("\nGiven linked list \n");
```

```
printList(head);
```

```
head = reverse(head, 2);
```

```
printf("\nReversed Linked list \n");
printList(head);

return(0);
}
```

## Program 2

```
x=10
y=12
x = x ^ y;
y = x ^ y;
x = x ^ y;
print ("After Swapping: x = ", x, " y =", y)
```

## Program 3

```
n=int(input("Enter number: "))
rev=0
while(n>0):
    dig=n%10
    rev=rev*10+dig
    n=n//10
print("Reverse of the number:",rev)
```