PRACTICAL – 3

PROGRAM -1

AIM- Write A Program For Transversion For Same Order

CODE-

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| --- |
| #include<stdio.h>  void main()  {  printf("\n HARSH D \n");  int a[5],i;  printf("Enter the elements of the array = ");  for(i=0;i<5;i++)  {  scanf("%d",&a[i]);  }  for(i=0;i<=4;i++)  {  printf("%d",a[i]);  }  } |

OUTPUT-

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PROGRAM -2

AIM- Write A Program For Transversion For Reverse Order

CODE-

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| --- |
| #include <stdio.h>  int main() {  printf("\n HARSH D \n");  int a[5],i;  printf("Enter the elements of the array:\n");  for ( i = 0; i < 5; i++)  {  scanf("%d", &a[i]);  }  printf("Elements of the array in reverse order:\n");  for ( i = 4; i >= 0; i--) {  printf("%d\n", a[i]);  }  return 0;  } |

Output-

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PROGRAM -3

AIM- Write A Program For Insertion At Specific Position

CODE-

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| --- |
| #include <stdio.h>  int main()  {  printf("\n HARSH D \n");  int a[10] = {1, 2, 3, 4, 5};  int size = 5;  int position, element, i;  printf("Enter the position where you want to insert the element: ");  scanf("%d", &position);  if (position < 1 || position > size + 1) {  printf("Invalid position!\n");  return 1; }  printf("Enter the element to insert: ");  scanf("%d", &element);  // Move elements to create space for the new element  for (i = size; i >= position; i--) {  a[i] = a[i - 1];}  a[position - 1] = element;  size++;  printf("Array after insertion:\n");  for (i = 0; i < size; i++) {  printf("%d ", a[i]);  }  return 0;  } |

OUTPUT-

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PROGRAM -4

AIM- Write A Program For Deletion At Specific Position

CODE-

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| --- |
| #include <stdio.h>  int main()  {  printf("\n HARSH D \n");  int a[10] = {1, 2, 3, 4, 5};  int size = 5;  int position,i;  printf("Enter the position which element you want to delete: ");  scanf("%d", &position);  if (position < 1 || position > size) {  printf("Invalid position!\n");  return 1;  }  // Move elements to delete the element at the specified position  for (i = position - 1; i < size - 1; i++) {  a[i] = a[i + 1];  }  size--;  printf("Array after deletion:\n");  for (i = 0; i < size; i++) {  printf("%d ", a[i]);  }  return 0;  } |

Output:-

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