# Comp 2511

# Procedural Programming with C

A blue sign with white letters

Description automatically generated with medium confidence

|  |  |  |  |
| --- | --- | --- | --- |
| Assignment | 1 | Part | 1 |

Student Name: \_\_HAINI XIAO

BCIT ID: A\_00587586\_\_

Task 1: To make a program which reads an integer from user and then print it

|  |
| --- |
| #include <stdio.h>  int main()  {  int a;    int x = scanf("%d", &a);  printf(" The interger is : %d",a);    return 0;  } |

Task 2: To make a program which reads two integers from user, and then print the sum of them

|  |
| --- |
| #include <stdio.h>  int main()  {  int a,b;    scanf("%d", &a);  scanf("%d", &b);    printf(" Two intergers are: %d %d",a,b);    return 0;  } |

Task 3:To make a program which reads two integers from user, and then print them in different lines

|  |
| --- |
| int main()  {  int a,b;    scanf("%d", &a);  scanf("%d", &b);    printf(" Two intergers are: \n %d \n %d",a,b);    return 0;  } |

Task 4: To make a program which reads a char from user and then print it

|  |
| --- |
| #include <stdio.h>  int main()  {  char a;    scanf("%c", &a);    printf(" The char is: %c",a);    return 0;  } |

Task 5: To make a program which reads two chars from user, and then print them with a space in between

|  |
| --- |
| #include <stdio.h>  int main()  {  char a,b;    scanf("%c", &a);  scanf("%c", &b);    printf(" Two char are: %c %c",a,b);    return 0;  } |

Task 6:To make a program which reads an integer from user, and then print “positive”, “zero” or “negative” accordingly, using basic if statements

|  |
| --- |
| #include <stdio.h>  int main()  {  int a;    scanf("%d", &a);  if (a==0){    printf("zero");    }  else if(a<0){  printf("negative");      }  else if(a>0){  printf("positive");    }    return 0;  } |

Task 7: To make a program which reads two integers from user, and then print the bigger one between the two, using basic if statements

|  |
| --- |
| #include <stdio.h>  int main()  {  int a;  int b;    scanf("%d", &a);  scanf("%d", &b);  if (a>b){    printf(" %d", a);    }  else{    printf(" %d", b);    }    return 0;  } |

Task 8: To make a program which reads an integer from user, and then print “positive”, “zero” or “negative” accordingly, using ONE if statement

|  |
| --- |
| #include <stdio.h>  int main()  {  int a;    scanf("%d", &a);  if (a==0){    printf("zero");    }  else if(a<0){  printf("negative");      }  else{  printf("positive");    }    return 0;  } |

Task 9: To make a program which reads two integers from user, and then print the bigger one between the two or “they are same.” accordingly, using ONE if statement

|  |
| --- |
| #include <stdio.h>  int main()  {  int a;  int b;    scanf("%d", &a);  scanf("%d", &b);  if (a>b){    printf(" %d", a);    }  else if(a==b){  printf(" They are same");    }  else{    printf(" %d", b);    }  return 0;  } |

Task 10: To make a program prints out 1 to 100, each per line using while-loop

|  |
| --- |
| #include <stdio.h>  int main()  {  int a=1;  while(a<=100){  printf("%d \n" ,a);  a++;  }    return 0;  } |

Task 11: To make a program prints out 1 to 100, each 10 per line using while-loop

|  |
| --- |
| #include <stdio.h>  int main()  {  int a=1;  while(a<=100){    printf("%d" ,a);  if(a % 10 == 0){    printf("\n" );  }  a++;  }    return 0;  } |

Task 12: make a program prints out numbers between 1 and 100: which are multiples of 3, or multiples of 5, but **NOT** multiple of 15

|  |
| --- |
| #include <stdio.h>  int main()  {  int a=1;  while(a<=100){    if (a %15==0){    ;  }  else if (a % 3 == 0||a % 5== 0){    printf("%d" , a);  }  a++;  }    return 0;  } |

|  |
| --- |
|  |